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THE INDUSTRIOUS HEN

A MONTHLY MAGAZINE
FOR THE
COMMERCIAL AND FANCY POULTRYMAN

POULTRY IDEAS

—AND—

THE INDUSTRIOUS HEN

Of Knoxville, Tenn.

CONSOLIDATED WITH

THIS ISSUE

Further Announcement on Editorial Page

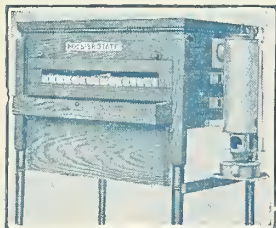
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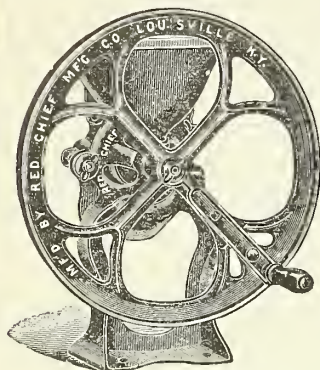
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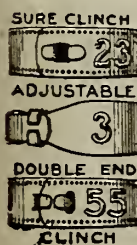
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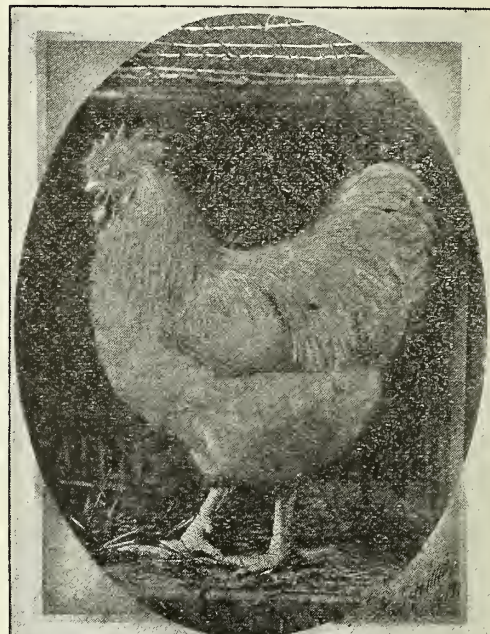
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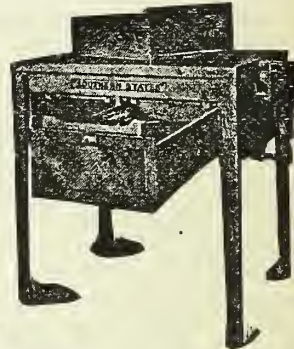
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THE INDUSTRIOUS HEN

VOL. X.

LOUISVILLE, KY., MAY, 1914

(Whole No. 120)

No. 12

Some Causes of Chick Mortality.

The Chicks That Die in the Shell, Chicks That Die in the Brooder, and the Chicks That Live That Should Die.

By HELEN DOW WHITAKER

I KNOW there are poultrymen who hatch ninety-seven chicks out of one hundred eggs and raise every chick they hatch, because I have read their testimonials in advertisements of incubators and brooders. I know there are flocks that develop with absolute evenness as to size and feather all coming into laying at five months of age and averaging 201 5-10 eggs per bird per annum, because I have read about them in their proprietors' "literature."

Frankly, we at Haven Heights are not in this class. Accurate records averaged through several years show that we hatch about seventy-five apparently good chicks from every 100 eggs incubated, and that we fail to raise from ten to twelve per cent of the seventy-five, either through faults of our own and our equipment, or because some apparently good chicks were not really good. As a rule we have had about fifty-five pullets to every forty-five cockerels. We have learned to count on from seventy-five to 80 pullets for every hatch of a 240-egg incubator. These are the ones counted worthy a place in the pens which produce market eggs. I have compared results with a good many others who as we do keep flocks of about 500 and raise yearly about 1,000 chicks. Some do a little better, some not quite so well, but year in and year out most of them consider the results last cited as fair averages of what may be expected with experience and painstaking care; but none of us write testimonials or publish thrilling "literature."

The purpose of this article is to account for the chicks that go to make up the discrepancy between the result of the two classes of poultrymen to which I have referred. Barring the non-fertile eggs, our losses come from the chicks that die in the shell, the chicks that die in the brooders and the chicks that are done to death because they fail to develop sturdily from hatching to laying pen.

The Chicks That Die in the Shell.

Having maintained a temperature between 100 and 104 degrees throughout the hatch and having followed directions for turning and cooling the eggs, many a beginner feels personally affronted when he finds at the second test dead germs have developed from eggs fertile and apparently good at the first test. He feels quite peeved when after the hatch he opens the eggs not pipped and finds partly developed chicks in the shell; but when he finds the eggs pipped and the chicks failing to get out he is quite the exceptional beginner if he does not wrathfully exclaim at the lack of vitality in the breeding stock that produced the eggs—unless, of course, he happens to be hatching his own eggs, in which case there is something wrong with the incubator.

There has been a great deal written, but the fact is very little is known concerning death in the shell. There is the case of lack of vitality in the breeding stock, but there is also improper feeding (for example, too much or

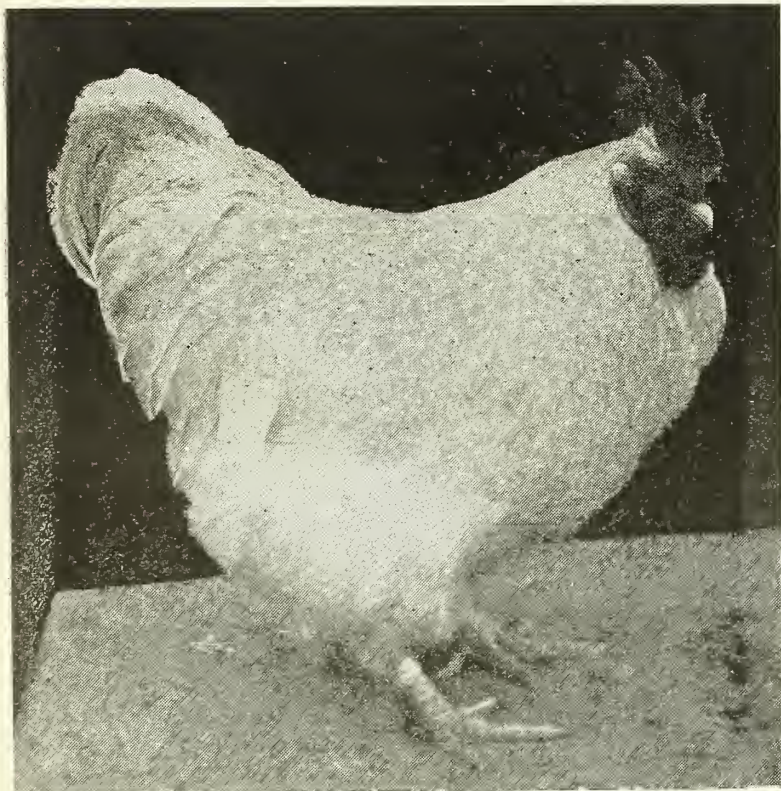
too little beef scrap), lack of exercise, flabby, sometimes over-fat, poor shell texture and too heavy egg production. Personally, I think this last factor a very vital one. The hen does not differ from other manufacturers in that when the factory is overrushed with work the finished product



suffers more or less in quality. Moreover, there is the question of the mating of the pen, possibly involving lack of maturity in the fowls, which is a different thing from lack of vitality, but gives similar results as to chicks. There is, also, the difficulties and dangers of inbreeding and line-breeding, as well as their advantages, to be taken into account. Any or all of these defects in the breeding stock, their care or mating will account for death in

the shell. On the other hand, the best of eggs cannot produce chicks under a badly defective thermometer, poor ventilation in incubator or incubator room, a leak in pipes which admits fumes from the lamp into the machine, too little moisture or too much at critical times of the hatch, jolts or jars, especially during the first few days of incubation when life is being coaxed into existence in the egg and hangs by a slender thread. A too crowded condition of eggs in the machine, especially during the hatch, the mixing of thick and thin-shelled eggs in the same incubator, the overlooking of a badly spoiled, perhaps cracked egg that is emitting poisonous gases—all are factors which contribute their quota of losses.

Furthermore, not all the thermostats do their duty. None will if an egg or the side of a tray is adjusted beneath it just properly to make it stationary. I have not enumerated all the causes of losses of chicks in the shell, but if you will go over this list and keep in mind that any one or any combination of these difficulties will surely result in some loss, and then consider that in most cases not even an incubator expert can put his finger on the particular difficulty that wrought havoc in any special case. I think you will marvel as I do that we hatch as many chicks as we do. We should be thankful for that, but at the same time consider what we can do to lessen the losses. I fear it is not very much more than we have done, namely, to use every caution and precaution against the ills we know might exist from start to finish, to work with the best grade of incubator only and keep fully informed of the results of reliable research work now being done by experts in incubation with the hope of shedding more light in the dark places of the hatch.



Unretouched photo of "C. L. C." undefeated as cock. This splendid bird heads first pen of Christopher & Swift, Jeffersontown, Ky. He is a son of "Col. Dixie," first prize cockerel at Coliseum, Chicago, 1911.

Chicks That Die in the Brooders.

While it may be just as difficult to prevent the death of a certain per cent of chicks in the brooder as in the shell, we are at least in a position to put our finger on the difficulty in a larger per cent of cases. Chicks that have inherited the vitality of the breeding stock back of them and are properly incubated will survive from ten days to two weeks in spite of a good deal of abuse. Such chicks begin to drop off about the third week or live stunted in growth or usefulness. On the other hand, weak chicks, or chicks badly abused in the hatching, generally show up before the tenth day. I am told that white diarrhoea is most prevalent under the fourteenth day—that is, if the flock shows no signs of it up to the fourteenth day the danger of it, except by direct infection, is

slight. Some chicks, we are told, hatch with the germs rampant. Others contract the disease by overheating and chilling, and still others catch it as children do the measles.

I think another cause of the death of a large number of chicks yearly is moulded or decayed food in one form or another. On frosty, moonlight nights I have enjoyed burning straw stacks in the grain fields of North Dakota. Now I would be moved to tears at the sight—if the straw stacks were in Tracyton, Wash. We experience difficulty every year in procuring straw for our brooders absolutely free from black rot and mould. Too often unscrupulous dealers use damaged wheat and mouldy cracked corn, having ground it up too fine for detection, for the prepared chick food. We would not feed such stuff to our adult fowls, and yet unwittingly we poison our baby chicks. I know of a car of beef scrap which went astray in the shipping and finally reached Seattle in such condition that it was lumped in the sacks. The car lot was bought at a greatly reduced price by a dealer who had it ground up for use in a prepared chick ration.

To swell the number of the chicks that die in the brooders come the flocks that are overfed, given no inducement for exercise and generally through loving kindness they are also overheated, and kept in on board floors when what they need is mother earth to scratch in. They are usually given insufficient ventilation through fear of chills. On the other hand, there are the underfed flocks and the underheated ones as well as the poor neglected little things that live in overcrowded, uncleanly brooders, and drink, when they do at all, foul water from foul vessels. What wonder that they die!

I think there is less danger of feeding the newly hatched chick too early than there is in feeding a too rich ration for the first week. After the chicks have been in the brooders twelve to twenty-four hours a light sprinkling of rolled oats or cracked wheat in their straw litter I count perfectly safe. Light feeds and often, no egg or beef scrap or corn meal the first week, is the direction which if followed would save countless chicks.

If in the final stage of the hatch the absorbed yolk of the egg becomes hardened within the chick his is a hopeless case. Otherwise he has all the egg food within him that he needs for the first week of his life. Little chicks require a little grit but they have been known to be so attracted by its glitter as to fill their small crops full of it and not to have thrived on the ration.

Then there is the problem of watering young chicks, and I confess that to me it is a problem. Our Leghorns scratch vigorously by the time they have been a day in the brooder if not sooner. The result is that they scratch full of straw litter any form of drinking dish placed low enough to be easy of access to them. I rinse out their drinking dishes over and over again the first few days. Any style of fountain in which the chicks can get wet is dangerous, but so is the lack of water to the thirsty chick. We need to continually consider the vital question of fresh air for the chicks by night and day and to take into account the possibility of the fumes from the kerosene lamp or gasoline burner reaching the chicks.

These are a few of the most common causes of death of chicks in the brooder. In most cases to recognize the danger in time is to save the chicks. In a word, we need to look over the feed for mold before the chicks begin to die instead of afterward, to test the pipes with a lighted match for fumes before the wings droop instead of afterwards. So down all the danger line it is our part in time of peace to prepare for war. It is a more useful thing to know what might cause the loss of your chicks than to know what has done so. To emphasize my point let me repeat—in nine cases out of ten the remedy is merely to recognize in time the danger. Learning to do this, O beginner, is experience getting.

The Chicks That Sometimes Live, But Should Die.

If you could raise every chick in a flock of a thousand I doubt if it would pay. I doubt that there ever was a flock of a thousand Leghorns without one pair of droopy wings between three and five weeks of age, or a flock of a thousand Reds without one pair of hunched-up shoulders. Moreover, there is the chick that fails to feather normally, possibly some that develop leg weakness, or

are stunted just from the nervous shock of having gone through the fright and suffering of being toebitten. It is scarcely necessary to go into detail in describing the chicks that sometimes live and yet should be done to death, because even two or three in a lot of seventy-five will boom up and always be most in evidence. Dispose of them humanely, but promptly.

It is far better for us to give the time and effort we would use up in trying to make something out of a weakling to study of the causes for its being weak, to the end that we produce fewer of them next year.—Exchange.

\$7.16 PROFIT PER HEN IN LAYING CONTEST.

Winning Pen Makes Above Less Cost of Labor. Poorest Hen Hardly Pays Cost of Feed. Missouri Pen of Buff Orpingtons Wins for February. Two Leading Hens Tie and Average 25 Eggs Each for Three Months. Hatch Early.

By T. E. Quisenberry, Director Missouri Poultry Experiment Station, Mountain Grove.

IF PULLETS are intended for an egg laying contest or are expected to be good winter layers, they must be hatched reasonably early. This applies to all varieties. If you can so arrange your hatches so the pullets will mature and begin to lay in October or November, they will continue throughout the winter as a rule. This has been our experience with our own stock and with those entered in the egg laying contests for the past three years. If your pullets are going to win or make a creditable record they must lay some winter eggs and if they don't begin to lay in October or November the chances are they will not lay much until towards spring. Some may, but the majority will not. If your pullets are to lay eggs in winter when eggs are highest, they must be hatched early.

A pen that lays well in fall and winter will net you more profit than one that lays most of its eggs in spring and summer when eggs are cheapest. If you intend to enter any stock in a laying contest next fall, you had better hatch a few pullets at once if you have not already done so. This experiment station expects to hatch all of its chickens before April first, and hatched over 4,000 youngsters in January and February this year and the per cent of mortality has been very low. One of the best Leghorn farms in this country never hatches anything after April 15. If you intend to raise poultry, it behooves you to try to get all out of it that there is in it. If you are not equipped to hatch a few early chickens it will pay you to purchase a 120-egg or larger incubator and brooder. The best time to hatch Plymouth Rocks, Wyandottes, Orpingtons, Reds, Langshans and similar varieties is in January, February, March and April. The best time for Leghorns, Anconas, Campines, and such varieties is March and April. This is especially true if you want to win at the fall fairs and shows, and expect many winter eggs.

A Missouri pen carried off the honors in the egg laying contest this month. It was a Springfield, Mo., pen No. 32, Buff Orpingtons, and laid 205 eggs. The pen of White Leghorns from England still leads all others by 109 eggs. The highest individual record thus far has been made by a White Wyandotte from Pennsylvania and a Buff Rock from Missouri, each laying 74 eggs. The average for all hens for the entire three months is 29 eggs. The two leading hens have laid nearly three times as many eggs as the average hen in this contest and have laid as many eggs in the three winter months as the average Missouri farm hen lays in a whole year. The total number of eggs laid by the 1,040 hens this month was 12,291, which makes a grand total of 29,613 eggs for December, January and February.

In order that you may have some idea as to what the hens have done for the past three years, we give below their averages for this time:

Year.	Dec.	Jan.	Feb.	Total Average.
1911	8	5	10	23 eggs per hen
1912	8	10	12	30 eggs per hen
1913	7	10	12	29 eggs per hen

The low average of five eggs per hen in January, 1912, was caused by the unusually hard winter we had at that

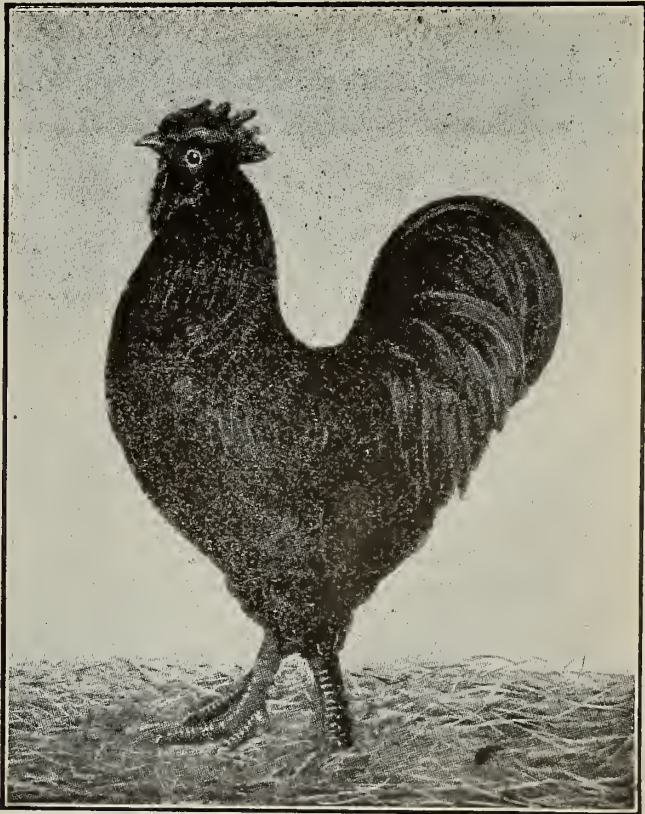
time. The reason the average was less in December, 1913, than in previous years was because of the fact that the last contest started in December and the hens were not accustomed to their quarters, change of feed, and climate. Some of the foreign birds did not arrive until late in the month. The average for January and February the last two years has been the same. If you can nearly double your flock and still keep up your average, you are making some progress.

Cost of Feeding Laying Hens.

The hens in the last contest laid about twelve dozen eggs each on the average which, if sold for 25 cents per dozen, equals \$3. The hens ate about 33 pounds of grain each and about 38 pounds of dry mash. The feed cost on the average about 2 cents per pound. This made the cost of feeding each hen approximately \$1.42. This left a profit of \$1.58 per hen to pay the expense of labor and other expense incurred. Twenty-five cents per dozen is a very conservative price to put on selected and guaranteed strictly fresh eggs. The best pen of hens laid 2,073, or an average per hen of 17¼ dozen, at 25 cents, equals \$4.31, or at 50 cents per dozen would have equaled \$8.62. Each of these hens ate \$1.46 worth of feed, which left a profit of \$2.85 at a low estimate, or a profit of \$7.16 per hen if the eggs had sold at 50 cents per dozen. The poorest pen in the contest just laid enough eggs to pay for their feed and left nothing to apply on labor. There are many such hens in existence. One-half of the hens in existence are kept at a loss. How to make them profitable is the problem.

The best record made thus far by representatives from the different countries is as follows:

	Eggs.
White Leghorns made best English record.....	610
Buff Orpingtons made best United States record.....	501
S. C. Reds made best Missouri record.....	466
White Leghorns made best New Zealand record.....	341



First Black Langshan Cock at Grand Central Palace, New York, 1913. Bred and owned by Elias Peter Hicks, M. D., Bound Brook, N. J.

White Leghorns made best Vancouver Island record.....	322
White Leghorns made best British Columbia record.....	309
White Wyandottes made best Ontario record.....	301
White Leghorns made best Australian record.....	278
White Leghorns made best South African record.....	216

The poor showing made by some of the foreign pens is due entirely to the poor condition of the pens at the time they were received, caused by the hardship and length of time in shipping and the severe changes in climatic conditions. One of the New Zealand pens had to be removed from the contest, and all suffered greatly. The same was

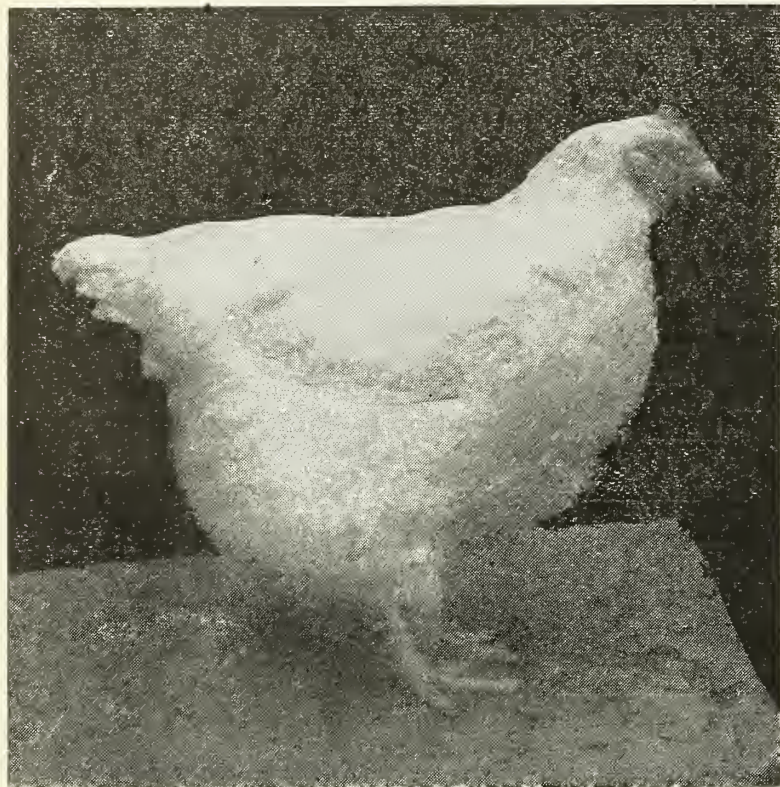
true with the Australian and South African pens. It is only justice to them that we make this explanation.

National Egg Laying Contest.

The 600 hens in this section of the contest have made the highest average per hen thus far of any of the contests for the past three years. They laid 8,187 eggs and their average per hen for the three months was 33 eggs each.

The ten highest pens in this test are as follows:

Pen.	Eggs.
0 S. S. White Leghorns, England	610
36 Buff Orpingtons, Texas	501
47 S. C. Reds, Missouri	466
5 Anconas, Missouri	443



Unretouched photo of second prize hen at recent Nashville show, March 9-11. Bred and owned by Christopher & Swift, Jeffersontown, Ky.

34 White Orpingtons, Ohio	434
1 Buff Leghorns, Missouri	433
38 White Orpingtons, Pennsylvania	429
24 White Wyandottes, England	421
55 Buff Plymouth Rocks, Pennsylvania	419
51 White Plymouth Rocks, Arkansas	409

White Wyandotte hen No. 181 from Pennsylvania was one egg ahead of Buff Rock hen No. 524 from Missouri last month. This month they tied with 74 eggs each to their credit or an average of nearly 25 eggs each for the first three months.

National Utility Contest.

The 160 hens in this test laid 1,908 eggs or an average of nearly 11 eggs per hen. These hens made a big gain this month over what they did in previous months. They laid more eggs in 28 days in February than they did in both December and January combined. The ten highest pens in this experiment are as follows:

Pen.	Eggs.
92 S. C. Reds, Pennsylvania	433
86 Barred Plymouth Rocks, Michigan	372
95 S. C. Reds, New Hampshire	293
85 Barred Plymouth Rocks, Texas	287
88 White Orpington, Kentucky	247
99 White Wyandottes, Arkansas	230
94 S. C. Reds, Ohio	230
90 White Orpingtons, Missouri	228
93 S. C. Reds, New York	225
89 White Orpingtons, Missouri	194

White Orpington hen No. 888 from Kentucky has laid 62 eggs and made highest record for this test. Hen 929, S. C. Red from Pennsylvania, is second, with 61 eggs to her credit.

National S. C. White Leghorn Contest.

At the close of the month these hens were laying on the average about 50 per cent production, or the 280 hens were laying about 140 eggs per day. At this rate they will lay

nearly as many eggs in March as in the three previous months. The Leghorns have been a mystery. They have bright red combs, are active and happy, have consumed a lot of feed, but have never laid as they should. The same has been true with all Leghorns for the past three years during our winter months. The English pen has been the exception. Most of the Leghorns moulted this winter and four pens of foreign Leghorns were immature and just now ready to lay. We expect the Leghorns to lay from now on while the other larger breeds are broody. These hens laid 2,296 eggs in February, or an average of over eight eggs per hen. The ten highest pens in this experiment are as follows:

Pen.	Eggs.
79 S. C. White Leghorns, Pennsylvania	414
70 S. C. White Leghorns, Missouri	355
65 S. C. White Leghorns, Missouri	354
77 S. C. White Leghorns, Vancouver Island	322
69 S. C. White Leghorns, Kentucky	315
61 S. C. White Leghorns, Nebraska	311
64 S. C. White Leghorns, British Columbia	309
71 S. C. White Leghorns, Missouri	290
67 S. C. White Leghorns, Missouri	258
80 S. C. White Leghorns, Missouri	250

The highest individual record in this experiment was made by a Leghorn pullet, No. 702, from Missouri, and she has laid 59 eggs to date. Hen No. 611 from Nebraska is second with 58 eggs to her credit.

FATTENING POULTRY FOR THE MARKET.

With Valuable Suggestions That Should Prove Interesting to Any One Embarking in This Line of the Industry.

By J. Gaylord Blair, Louisville, Ky.

IT DOES not matter how well adapted a fowl may be by nature for table purposes, it can always be still further improved by a discreet course of fattening, and to do this you must understand the process of development in this particular case in order to get the best possible results from your work. The average consumer does not know what a well fattened chicken tastes like for the bulk of the poultry raised in this country reaches the market in a thin and unfinished condition. There is to be great work done in this direction in order to educate people as to how they should market their birds so as to get the highest market price, whereby realizing them more profit and at the same time giving the consumer birds that they have been unable to get in the past. Just as soon as we can get the farmer to discard the old mongrel and take up some breed suitable for broilers and are easily gotten in condition for market, we will be able to give the consumers a much better bird for table use.

In the East the people are learning the value of a well fattened chicken and demand them, and they are willing to pay higher prices which is proof that a "soft roaster or broiler" plant near the market could find a ready market for his entire output at a good price. The Middle West is producing a large number of "milk fed" birds and they bring top prices on the market and are in demand in large Northern and Eastern cities. Capons are very much in demand and bring double the price of other fowls; the "Philadelphia" capon is produced south of Philadelphia. Capons not only bring more money per pound on the market, but they are easily fattened and will weigh almost double what an ordinary bird will weigh. Farmers could find the capon business a very profitable one and we urge them to gradually take it up and build up a capon market in their section.

There are many professional establishments throughout the country from which the owners derive their livelihood by purchasing chickens and fattening them and placing them on the market. There are also many amateur poultry keepers that interest themselves in getting the birds in condition for cooking purposes. By coming in touch with many people and especially the housewife, you will learn that many of them pick the bird up out of the yard, kill and dress it and get it ready for the table without getting it in any condition at all. Such birds are always tough and very thin. If you have eaten a bird prepared in this manner and also one that has been fattened you know how to appreciate a well conditioned bird.

Uniform Flocks Preferred.

Uniform flocks are always desirable although all types and varieties of chickens are fattened in this country. They develop certain types for egg machines but no special fattening type has yet been produced, and no doubt never will, and the only important point to look after is to get a breed that will be easy to fatten and will weigh something when in a marketable condition. Many breeds are unprofitable as broilers for the reason that when you get them fat they are too small to weigh as some of the other breeds will. Several breeds give splendid results in fattening and they are preferred by men who make a specialty in this line. Birds of this general purpose class are better suited, namely: Plymouth Rocks, Wyandottes, Orpingtons and Rhode Island Reds. In selecting birds to fatten the above named breeds will give much better results than a mixed lot of chickens. After a bunch of birds have been dressed ready for the market and if they are of the same type, color and near the same size, they will attract much more attention on the market and will bring more money than the same number of mixed breeds and mongrels.

If your market calls for white skin and legs, supply them with the Orpingtons, or if rich yellow skin and legs are preferred use the Plymouth Rocks, Wyandottes or Rhode Island Reds. Any of the above breeds will be easy to



First S. C. White Leghorn Cockerel at Kentucky State Poultry Show, Lexington, Ky., 1914. Bred and owned by Geo. E. Schulz, 550 South Fourth Street, Louisville, Ky.

fatten and are known the world over as ideal fowls for table purposes. Birds that are intended to be fattened should be strong and vigorous, showing broad heads, well shaped legs, large eyes, well curved beaks and deep breasts.

Time Required to Fatten a Chicken.

A great deal depends on conditions as to how long it takes to fatten a chicken, the market trade to be supplied and the results the feeder secured determines the length of the feeding period. As a rule it requires seventeen days or less to get a chicken in condition for the market. We have known chickens to be fattened in seven days, and the quicker you can fatten them the better it is from a financial standpoint, for all feed you can save on them will mean profit to you. As the feeding season advances the tendency among feeders is to shorten the length of the feeding period as much as possible. To market "milk fed" chickens you usually have to feed them from twelve to fifteen days, but much more profit can be gained by shortening the period.

Feeding for Best Results.

The success of fattening poultry depends on what you feed and how it is fed, and a great deal of study should be given to this important point. Never feed birds any grain or hard food that you want to fatten quick, but let their ration be only soft feed and something that will be easy to digest and not require any overwork on the digestive organs in grinding it up. Another great mistake that can be made is to place them in small crowded coops or on the other hand, give them too large a space where they can exercise and run off what flesh you put on them each day. Where only small numbers are dealt with, an ordinary crate will give you good results. These crates are made of galvanized iron with false bottoms of fine wire netting stretched tightly above a movable pan. This crate is easily kept clean at all times and the birds feet are always clean. The birds need just enough room that will allow them to turn around and stand erect. Feeding batteries or crates should be placed in a quiet spot that is cool in summer and warm in winter. You may have them one to four stories high and placed on wheels so that they can be moved from place to place.

Cramming machines are being used with great success in fattening birds. They are made in various patterns, the principal one which they are all made is a bucket-like reservoir used to hold the food mixture which is of the consistency of thick cream; connected from this reservoir is a pump or piston and a soft rubber tube. This tube is inserted into the bird's gullet and pushed down into the crop. There are many different methods of holding a bird during this cramming process, and after a little experience you will learn the right one. After a little practice you will be able to feed a large number of birds in an hour's time. In cramming a bird the first time you should not overdo the thing, for get the bird well accustomed to this feeding before feeding too heavily. In handling large numbers it is always best to have two assistants, one to pass fresh birds to you and the other to take and re-open the birds just fed. Do not cram the crop if the food from the last operation still remains in there, undigested, but place back in coop and give no more feed until the crop is empty. If the bird continues to remain in this condition remove from the rest of the birds and place in run for a few weeks, and give a small quantity of carbonate of soda.

Birds fed by this cramming method show a great gain in weight, but also show a better appearance (finish) after being placed on the market than birds fattened in any other way.

What to Feed for Best Results.

Feed only soft food moistened to birds intended for fattening and keep before them at all times a supply of fresh water. Where it is available it is always best to mix the feed with milk which gives much better results. Skimmed, or separator milk, from which the butter-fat has been removed is better than whole milk. The fat that is in the milk is not at all necessary unless the other food is deficient therein. Separator milk contains 4 per cent protein, 2.02 per cent fat, 4.06 carbohydrates, 90 per cent water and 8 per cent salts. This quality of milk is used in mixing the mash and you will know that its food value is very good. It is very valuable when the cramming machine is being used. Sour milk is excellent to use but be careful that it is not in the decomposed state when used, and especially in warm weather. In mixing the feed always have it about the thickness of heavy cream; if a cramming machine is used it will have to be a little thinner, in order to let it flow freer.

The following ration has proven very successful in producing fat on birds. Use 50 per cent of corn meal, 40 per cent of low grade wheat flour and 10 per cent of tallow. Where the weather is cool or cold you can increase the per cent of corn meal and decrease the tallow. By using the milk to mix this food with, it will produce the bleached appearance, which is characteristic of milk fed chickens and is a very valuable asset in placing them on the market. Mix it thin enough so that it will drop from the point of a wooden spoon. It should be mixed thinner in hot than in cold weather.

SUBSCRIPTIONS—One year 50c. Three years \$1.00. Foreign subscriptions 75c. In order to start with current number, the subscriptions must be received at the office by the 10th of the month.

PUBLISHERS' ANNOUNCEMENT—All manuscript and copy for change of advertisements should be in our hands promptly by the 10th of the month preceding date of issue. **THIS IS IMPORTANT.** New business can be accepted as late as the 25th of the month, but special position cannot be guaranteed.

CORRESPONDENCE—We cordially invite letters and articles from all our readers on any subjects of interest or value to the poultry industry. Send in some matter; your experience and observations may be just what some one may be looking for and save them from mistakes and losses you have suffered in the past. If you have something to tell our readers, don't fail to send it in. This is your journal; make good use of it and help to make it useful to others.

THE INDUSTRIOUS HEN

With which is consolidated Poultry Ideas, Louisville, Ky., Tennessee Poultry Journal, Lebanon, Tenn., The Poultry Review, Bustleton, Pa., and The National Poultry Breeder, Owensboro, Ky.

**PUBLISHED BY
BLAIR-YOUNG PUBLISHING CO.**

Incorporated
American National Bank Building
LOUISVILLE, KY.

Entered as second-class matter at the Postoffice at Louisville, Ky., under Act of March 8, 1879.

PUBLISHED MONTHLY AT 50C PER YEAR.

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POULTRY CLUB ORGANIZERS HERE PUSHING INDUSTRY.

First Annual Meeting of Fieldmen of Department of Agriculture Begun.

TAKING advantage of the opportunity to meet representatives of their respective districts at the Southern Conference, field men engaged in poultry club work of the United States Department of Agriculture are holding their first annual meeting here this week. The first session was at Hotel Henry Watterson yesterday and was well attended. Other sessions will be held this afternoon and tomorrow.

Developing the poultry business on the farm was taken up by the Department of Agriculture in November, 1912. The plan closely follows that of some years ago to arouse interest among the school children in raising corn and tomatoes. The department found that neither proper interest or care was being taken by the farmer in the raising of poultry. Under the direction of Harry M. Lamon, field men were appointed to visit the country schools and organize clubs for scientific raising and breeding of poultry. An arrangement is made to furnish each member of a club with a setting of standard stock eggs. The member keeps a record of results, from a financial standpoint, obtained from the flock hatched. It is the ultimate hope of the department to increase the poultry business to a point where it will not be necessary to import eggs from China. The work in Kentucky is under the direction of H. W. Rickey, with headquarters in Lexington. Twenty-five clubs have been organized in the State, with a total membership of nearly 500.—*Courier-Journal.*

Uncle Sam is doing a great work in the organization of poultry clubs. They are not only getting the boys and girls interested, but the older folks are getting the fever as well, and this will be the means of getting the farmer to discard the old mongrel and take up some pure-bred bird, which is much needed, not only in Kentucky but other Southern States as well. Mr. Rickey who has charge of the work in this State, tells us he is meeting with great success and in a short time will have the entire State pretty well organized.

The government has other good men in the field all over the South who report the interest running high in all the States. Frank Hare, formally editor of The Standard and Poultry World, Quincy, Illinois, has charge of South Carolina, and Leo J. Brosemer, also formally with this same publication, has charge of the State of Tennessee. They are both competent men, and we are looking forward with much interest for the results of their work in the next twelve months.

This work was just taken up in November, 1912, and we can now see great good that is being done. The entire work is under the direction of Harry M. Lamon, of the Department of Agriculture, Washington, D. C. The field men visit the country schools and organize the boys and girls poultry clubs for the scientific breeding of poultry. They do not encourage the breeding of fancy poultry for show purposes, but insist that they keep only pure-bred birds and breed for eggs and meat and keep record of results from a financial standpoint. We stand ready to co-operate with the government and her men in this great work in every way, and we hope to see the great work progress as rapidly as possible. Next issue we hope to have some news telling of the work in this State and we feel sure every one of our readers will be interested in the upbuilding of this great industry in the South.

Louisville's Big Show for November Is Assured.

AT THE recent meeting of the Falls City Fancier's Association held in Louisville last Monday night, it was definitely decided to launch the big winter show in November. All arrangements for judg-

ing the show were passed on; also the cooping, the entry fee, the selecting of a show room and the association's catalogue. The date of the show is November 23-30.

A joint meeting of the Falls City Association, the Louisville Pigeon Club and the Louisville Kennel Club will be held soon, the object of which will be to perfect plans, whereby the three clubs will show together. The big Louisville winter show is assured. Further announcement of same will appear in June issue of The Industrious Hen.

The 300-Egg Hen.

THE 300-egg hen is here at last, and we welcome her with great pride. Had any one told the poultry public ten or twenty years ago that we could produce a bird that would lay 300 eggs in 365 days, they would have hooted at it. "Lady Show You" laid 281 eggs and she was the most talked of hen ever known, and it was predicted by many that this record would never be accomplished again soon.

But now Professor James Dryden, who has charge of the poultry department of the Oregon Agricultural College, Corvallis, Oregon, has produced a 300-egg hen and from trap nest records laid 303 eggs in 365 days, which was certainly some record. The strangest part of this record is that it was made from a bird that was not pure-bred, but was a cross between a White Leghorn and a Barred Rock. She is seven-eighths Leghorn and one-eighth Barred Rock.

We sincerely believe that the time is not far off when this record will again be broken. People are beginning to realize that the hen that lays is the hen that pays, and are all work-

(Continued on page 444.)

Publisher's Announcement

On April 30 arrangements were completed whereby POULTRY IDEAS and THE INDUSTRIOUS HEN, of Knoxville, Tennessee, were consolidated. Readers and advertisers of both papers will no doubt be glad to hear of this combination, as it gives the South a large, live, up-to-date poultry paper that will visit their homes each month with the largest and strongest circulation of any poultry publication in the South.

The combined papers will be published at the Louisville, Kentucky, office, under the name of THE INDUSTRIOUS HEN. This gives us a more central location for conducting the business, the new home being located in the center of the field in which the two publications were founded and established.

The greatest advantage to be derived from the uniting of these two leading Southern journals is our giving the subscribers of both a larger and better paper and one they will appreciate. The advertisers of both papers will reach more people through the new combined INDUSTRIOUS HEN, as our circulation more than doubles beginning with this issue. We will cover a new and broader field of operation.

The South today is the best poultry field in the country. The climatic conditions are ideal for poultry raising and in a few years the Southern States will lead all others in the production of poultry and eggs.

This consolidation should attract both large and small advertisers alike, for we give you a medium that circulates and reaches the great Southern field and one that will place you in touch with every live buyer in the South.

TO THE SUBSCRIBERS OF BOTH PAPERS:

You will receive THE INDUSTRIOUS HEN in the future.

All parties who are subscribers to both POULTRY IDEAS and THE INDUSTRIOUS HEN will have their subscriptions extended to such a time as to be given value received for the full amount paid to both papers.

BLAIR-YOUNG PUBLISHING COMPANY, *Louisville, Ky.*

SUCCESSORS TO

THE INDUSTRIOUS HEN COMPANY, *Knoxville, Tenn.*

(Continued from page 442)

ing to build up a flock that will give them the greatest profit during the year. By careful selection and with the use of the trap nest all poor layers can be discarded, and only birds with good records kept for breeding purposes. It doesn't pay to feed a hen that does not lay an average number of eggs in a year, and the quicker you discard her the better off you will be.

Let us all work together and see if we cannot double the egg yield in the next few years, without increasing the cost of production. This will mean much to the industry.

"Rooster Day" for Kentucky and Tennessee.

THE day appointed for the slaughter of roosters in Kentucky and Tennessee is May 16. The news is being scattered broadcast throughout these two States and it is safe to say that "Rooster Day" will be successful and no doubt this day will be claimed each year in the future for the slaughter of the old rooster. On this day every poultry dealer in these two States will pay the same prices for roosters as for hens and pullets and this will be some inducement for every one to dispose of the old male birds at a good price and one much better than they have ever been able to get before.

The dealers object in offering such high prices for the roosters is not wholly a benevolent action, but the object of such a slaughter is to assure the larger part of the eggs laid during the summer and fall to be infertile. It is a fact that fertile eggs will not keep during the summer months and records show that over 40 per cent of the eggs which spoil during the summer months is caused by the male bird running with the hens and fertilizing each egg laid.

A fertile egg will begin to hatch at a temperature of 70 degrees. If the weather is at summer heat the life germ in the egg will live and continue to incubate until a chicken is hatched, or else a change in temperature kills the germ and makes a rotten egg. This is the reason we have spoiled eggs during the summer months. If all eggs that are sent to market after the first of May were not fertile, the loss from bad eggs would be much less.

United Poultry Farms Company.

IN THIS issue you will notice a double page advertisement of the United Poultry Farms Company, with Western office at Hope, Ind., and Eastern office at Scotch Plains, N. J. This corporation you will readily see is composed of several of the

leading poultrymen of this country; men who have made a life study of the poultry business and have been successful in making large fortunes from the breeding and selling of fancy poultry and eggs to every civilized nation in the world.

The company is composed of the following officers: U. R. Fishel, president; W. C. Pierce, first vice-president; Chas. I. Fishel, second vice-president; J. C. Fishel, treasurer; Percy A. Cook, secretary and general manager.

Farms of the following well known breeders have been purchased and taken over by the United Poultry Farms Company: U. R. Fishel, Hope, Ind., White Plymouth Rocks; William Cook & Sons, Scotch Plains, N. J., Orpingtons; Buschman-Pierce Red Farms, Indianapolis, Ind., Rhode Island Reds; J. C. Fishel & Son, Hope, Ind., White Wyandottes, and C. E. Spagh, Rugby, Ind., Barred Plymouth Rocks. This sale included the birds, land, buildings, equipment, etc. They will also manufacture and place upon the market a full line of poultry feeds.

This is one of the greatest undertakings known in the history of the poultry industry and is looked upon with great interest throughout the world. It is needless to think that this undertaking will not meet with great success when you see the men behind it, who are business men and capable of handling most anything. Here's to their success.

American Poultry Association Annual Election, A. D. 1914.

Results as shown by the report of the Election Commissioner:

President—E. B. Thompson, Amenia, N. Y.
First Vice-President—Joseph Russel, Toronto, Ont.

Second Vice-President—A. A. Peters, Denver, Colo.

Secretary—S. T. Campbell, Mansfield, Ohio.

Members of the Executive Board—A. C. Hawkins, Lancaster, Mass.; Henry Steinmesch, St. Louis, Mo.; Earl Hemmenway, South Haven, Mich.

Thirty-ninth Annual Meeting Place—Chicago, Ill.

Time of Holding 39th Annual Meeting—August 9-15, 1914.

Complete Returns:

President—

E. B. Thompson, Amenia, N. Y. 2,376

First Vice-President—

Joseph Russell, Toronto, Can. 2,329

MEYER'S

Champion Strain of Black Langshans have been winning at America's best shows in the last few years. Eggs the rest of the season at one-half price. Write for free circular which tells all about them. Yours for better Langshans.

W. A. MEYER,

Bowling Green, Mo.

S. C.
ANCONAS

FOR
THE
BEST

BLACK
LANGSHANS

See my stock or write for catalogue; winners at Madison Square Garden, Grand Central Palace, Philadelphia, Augusta, Ga., etc. Stock, eggs, baby chicks at reasonable prices. E. P. HICKS, Box 334, Bound Brook, N. J.

White Orpingtons of Quality

Our only breed. Farm raised, winter layers. Winners at Indianapolis, 1st hen, 1st pen, 2nd and 4th cockerel, 3rd cock, 4th pullet; sweepstakes and two silver cups, February, 1914. At Columbus, 1st and 2nd cock; 1st and 2nd hen; 1st and 2nd pullet; 1st, 2nd, 3rd and 4th cockerel; 1st pen and two silver cups. Fertility and safe delivery guaranteed. Eggs \$1.50 and \$3.00 for 15. EDGEWOOD POULTRY FARM, Rural Route No. 14, Bloomington, Indiana.

QUINTIN'S

Single Comb RHODE ISLAND REDS The Winners

COLOR, TYPE AND UTILITY

Southside Fair, 1913: 1st, 2nd, 3rd, cock; 3rd and 4th hen; 3rd pullet; 1st and 2nd cockerel; 1st, 2nd and 4th pen.

Richmond, December, 1913: 1st cock; 3rd hen; 4th cockerel; 1st and 3rd pullet; 3rd pen.

Norfolk, January, 1914: 1st and 4th cock; 1st and 3rd hen; 1st pullet; 2nd and 4th cockerel; 1st pen.

Lynchburg, January, 1914: 1st cock; 5th hen; 4th cockerel; 1st and 4th pullet; 1st pen.

The above are some of my recent winnings in the hottest kind of competition and speak for the quality of my birds. I still have a number of good cockerels for sale at reasonable prices. Stock and eggs guaranteed as represented. Send for mating list for 1914. Visitors always welcome.

D. SCOTT QUINTIN --: Box 174 --: PETERSBURG, VIRGINIA

BUFF PLYMOUTH ROCKS

The South's best flock at a third its value. Good will, fixtures and all included. Ask my reason. Laid 207 eggs in March at Missouri International Contest.

Reason for sale is that I expect to move to California this summer.

DINSMORE ALTER,

UNIV. OF ALABAMA,

TUSCALOOSA, ALA.

Summer

"BLUE=BAR"

Bargains

NOW IS THE TIME to buy high grade breeding stock cheap. You are thinking of buying this fall, but I want to sell now to make room for my young birds. Can't we get together and save each other money? If you want I will make the terms, fifty per cent cash with order and the balance in sixty days, and if you do not think my Barred Rocks are the best you ever saw for the money, send them back and get your money back. Write for my handsome Catalog—it's free.

L. H. READE

(Highland Park)

Richmond, Va.

Second Vice-President—

A. A. Peters, Denver, Col.2,313

Secretary—

S. T. Campbell, Mansfield, Ohio.....2,273

M. A. Northup, Orangeburg, N. Y.... 166

Members of Executive Board—

A. C. Hawkins, Lancaster, Mass.....1,217

Henry Steinmesch, St. Louis, Mo....1,048

Earl Hemmenway, South Haven, Mich. 833

N. R. Nye, Leavenworth, Kan..... 686

Chas. McCaffree, Howard, S. D..... 652

C. M. Bryant, Boston, Mass..... 580

S. J. Hopper, Dallas, Texas..... 540

Richard Oke, London, Ont..... 487

William Coates, Vancouver, B. C..... 270

M. F. Schultes, Bartlett, Tenn..... 236

R. E. Bruce, New Orleans, La..... 235

J. M. Parker, Creston, Mont..... 178

Time of Holding 39th Annual Meeting—

Second week of August, 9-15.....1,279

Fourth week of August, 23-29..... 247

Third week of August, 16-22..... 224

First week of August, 2-8 189

Place of Holding 39th Annual Meeting—

Chicago, Ill. 980

Detroit, Mich. 841

Washington, D. C. 203

Indianapolis, Ind. 180

Houston, Texas 136

Not to change the name of Rhode Island

Reds 554

To change the name of Rhode Island

Reds 31

O. L. McCORD,

May 5, 1914.

Election Commissioner.

929-30 Jefferson Bldg., Peoria, Ill.

Size of The Industrious Hen Beginning With June.

WE WERE compelled to hold the size of our paper this month the same as Poultry Ideas has been in the past on account of having contracted for a supply of this particular size from the mills before the consolidation of the two papers was completed. But beginning with the June issue the original size of The Industrious Hen will be carried out in the future. We do this, knowing that it will cause no great inconvenience to our readers or advertisers.

Pin Feathers.

Good work in the poultry yard at this season means success in the fall. It does not pay to neglect the peeps just now and then expect to see the blue ribbon over them in the fall.

Have you tried to impress upon your fair folks that you want a good appropriation for the poultry department this fall? If you have not, it is not too late to begin right now to get after them. Give more to the department and see how it will grow, and what attention it will attract. Let them know that without the encouragement that is given to other departments you have the best stock to bring in ready money of any that is raised and that you wish to increase the interest in good versus bad chickens.

We have corn clubs and tomato clubs galore and they are doing a great work. Why not get busy and

have more poultry clubs. Every county should have a poultry organization and that organization should be a member of the State organization, just as the State organization is, or should be, a member of the American Poultry Association. Think about this and if your county has no such organization, get some of the poultry breeders to join you and organize one.

Did you ever study the co-operative selling off your poultry product? You may not have enough eggs each day to supply a case for the market, nor enough to meet the demand of some first-class cafe, but by co-operation you and your neighbors might do this thing and thus get better prices for your product and at the same time give the consumer a better article than he is accustomed to have served him. Think about it and talk it over with your neighbor.

Do not forget to begin the culling of your flock right now. It will not pay you to carry over till fall a lot of young stuff that will be fit neither for exhibition nor for breeders. Better sell them now as broilers or fryers before they cost more than they will bring. It is the man who culls closely that gets the best in his flocks and who has the cream of show stock.

As soon as you are through breeding for the season take all the males away from the hens. The hens will enjoy not being annoyed by the males' attentions and the males will be much more vigorous and active when the breeding season comes around again. More, you can sell the infertile eggs for a good price above market and have no fear that some one will get busy and try to get into your stock by buying the eggs you sell for eating purposes and setting them. There are a few people left in this old world that are just itching to do some such thing. They want the stock but are too stingy to pay the price for the eggs and then too, they are so simple that they will do this thing and then brag to you that they have put one over you.

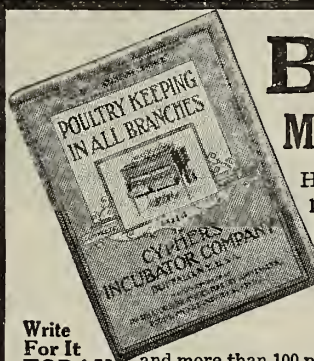
J. HOWARD SLEDD.

Iuka, Miss.

AUTOCRAT

S. C. White Leghorns!

Rich, royal blood from America's greatest prize winners sparkles in the veins of our trapped, bred-to-lay, 258-egg record birds. All our males and many choice females were sired direct by Madison Square Garden, New York, winners—stock with a record to 288 eggs in 365 days. They lay at 75 per cent rate all winter. Eggs, \$4.50 and \$6.00 per 100; chicks, 12c. Write for our catalog—it's free. BROWNS-TOWN POULTRY FARM, Brownstown, Ind.



Big Poultry Book

Mailed Free—Write For Your Copy Now

Here's the *greatest free poultry book* ever printed—Cyphers Company's 1914 Year Book, "Poultry Keeping in All Branches." 244 pages, 7½ x 10 inches—fully illustrated. A book of sound advice and everyday help for practical, earnest poultrymen and women. It tells about and illustrates

CYPHERS INCUBATORS and BROODERS

Write For It TODAY

and more than 100 poultry specialties. Eight special chapters—new this year—point the way to biggest poultry success. Write today for your copy.

Five Pieces Valuable Poultry Literature—FREE

Also write for free books: "Selling Day-Old Chicks—Doing Custom Hatching." "Paradise Brooders—When, Where and How to Use to Best Advantage." "Cyphers Company's Portable Hovers—When, Where and How to Use for Best Results." "When, Where and How to Use Cyphers Adaptable Hovers to Best Advantage. The Only Fireproof, Labeled and Insurable Brooding Hover on the World's Markets." "Reports from Users of Cyphers Poultry Foods."

All above mailed free with Catalogue. Take advantage of this offer—get this splendid free poultry library now. Address

Cyphers Incubator Company

Dept. 13

Buffalo, N. Y.



The Genuine
Cyphers Incubator
Latest Improved
—Dependable

Buff ORPINGTON Cockerels \$5

From as fine a pen of Buffs as there is in Tennessee and direct from Cook. Eggs, \$1.00 for 15. Breeders of Buff and White Orpingtons and White African Guineas.

FRANK W. BIDDLE & SON R. F. D. No. 4 KNOXVILLE, TENN.



Under this heading "Pick Ups Here and There," we will give our readers each month clippings from our exchanges that we think will interest them.

A. C. Hawkins for Member of American Poultry Association Executive Committee.

MR. A. C. HAWKINS, Lancaster, Mass., who is known the world over as a breeder of Barred Rocks and one who has been engaged in pure-bred poultry culture for the past thirty-five years, has been nominated as a member of the Executive Committee of the American Poultry Association. We believe no better selection could be made since Mr. Hawkins' long experience in association affairs and wide acquaintance with the needs of American fanciers eminently fits him to be a member of this committee. We trust our readers and fanciers who are members of the association will find it agreeable to name him on their ballot as one of the three to be elected to this committee.

Indications of Thrift.

Whenever hens or chicks are always ready to scratch, and seem to be busy at all times, you need have no fear of a failure to get eggs from the hens or a rapid growth on the part of the chicks. Scratching is their work, their mode of occupying and passing away time, and indicates business. The hens that keep busy scratching do not contract the vices peculiar to those fowls that have nothing to do, and

they keep fresh and in good health. The bright red comb, clean plumage and plenty to do on the part of the hens indicate that egg foods are unnecessary and eggs plentiful.

The Summer With Poultry.

The advantage of the summer season is that the cost of keeping poultry is but very little, as the larger share can be picked up by the hens if they are on a range. The profit in summer is fully as large as in winter, for the hens will lay twice as many eggs in summer as in winter, and thus compensate in quantity for low prices. It should be impressed on readers not to feed grain except sparingly, as the hens will soon be thrown out of condition by too much food when the weather is warm. In some cases excessive heat causes very fat fowls to succumb. With an abundant supply of grass, seeds and insects there will be no lack of a variety. They should be made to seek their food as much as possible, and by so doing they will keep in better health. They should have plenty of fresh water, and care must be taken not to overcrowd them on the roosts, especially on very warm nights.

Bread as a Food for Fowls and Chicks.

Dry bread makes an excellent variation in the diet of all fowls. This is particularly true in the case of the

mated breeding pens which will greatly relish one ration a day of this bread which may be moistened in either milk or water. As a ration for the newly hatched baby chicks or for young turkeys or ducks, and up to the age of six or eight weeks, there is no more desirable food since it has been thoroughly packed and tried. In fact it is an ideal food for all young birds, particularly so when it can be moistened in sweet skimmed milk.

Feed for Little Ducks.

The best thing to feed the little ducklings is stale bread moistened with milk and with a little fine grit or coarse sand sprinkled over it. If this cannot be furnished, it is well to bake a cake made of half and half corn meal and bran, sifted and mixed with sour milk. If sour milk cannot be had, add a little soda and mix with water. When this is cool it may be dampened with water or milk and makes an excellent food for the first two or three days.

After two or three days a mixture of one part corn meal and two parts bran, mixed with milk or water may gradually be substituted. If this is

See "The **BUCKEYE**"

Guaranteed to hatch every hatchable egg. Over 325,000 in use. Send for Catalogue and dealer's name where you can see one and how it works.

The Buckeye Incubator Co.
525 Euclid Avenue Springfield, Ohio

SOLD AS LOW AS \$10.00

See **POULTRY FENCE**

STOCK STRONG--RUST PROOF
Bottom wires 1 inch apart. Will not sag or bag. Requires no boards—top or bottom—and fewer posts. Costs less than netting. We pay freight. Send for Catalog.

The Brown Fence & Wire Co.
Dept. 37 Cleveland, Ohio.

"Pittsburgh Perfect"

Poultry and Garden Fence

"Pittsburgh Perfect" are the most popular and largest selling Poultry and Garden Fences made, because they are the strongest, toughest, most effective, durable and economical. They are made of heavy gauge special-formula Open Hearth wire, thoroughly and heavily galvanized with pure zinc. All joints are WELDED BY ELECTRICITY, an exclusive "Pittsburgh Perfect" feature, producing a ONE-PIECE FABRIC. Easiest to erect. No top or bottom boards required.

EVERY ROD GUARANTEED

Our latest catalogue tells how our fence is made, how to put it up cheaply and effectively, and illustrates and describes all styles of "Pittsburgh Perfect" Fences for POULTRY YARDS, GARDENS, LAWNS, ESTATES, FIELDS, FARMS, RANCHES. Write today for your copy, and for circular of our new Ornamental Lawn Fences, the most beautiful wire fencing made.

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All "Pittsburgh Perfect" Brands of Steel and Wire Products are made from Basic Open Hearth material, produced in our Furnaces and Mills from the Ore in our Mines to the Finished Product.

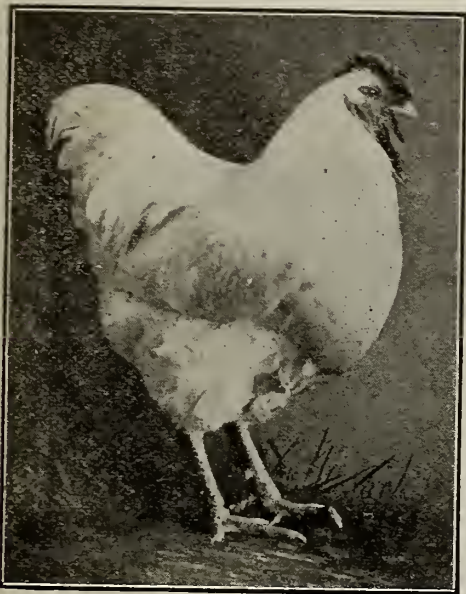


mixed with water add a very little high grade beef scraps, sifted, for the first week. After the first week five per cent of beef scraps may be given and the amount increased to 10 per cent when the ducklings are two or three weeks old. Most duck raisers believe that a little fine grit in the mixture improves it because it aids digestion.

Green food is desirable but not absolutely necessary. Finely chopped cabbage, pieces of lettuce leaves, tender young grass or anything which is green and succulent will do. Water should always be furnished at feeding time, for the ducks seem to require plenty of water to wash down the food.

Egg Show at Purdue University.

The sixth annual Purdue Egg Show will be held at that University May 6, 7 and 8, 1914. This show is held under the supervision of Prof. A. G. Phillips, of the Purdue Experiment Station, and is indorsed by many of the leading poultry men and poultry associations of the State.



White Wyandotte Male from the Yards of Carrington Jones, Buntyn, Tenn.

How to Kill and Bleed Poultry for Market.

GRASP the chicken, when killing, by the bony part of the skull. Do not let the fingers touch the neck. Make a small cut with a small, sharp pointed knife on the right side of the roof of the chicken's mouth, just where the bones of the skull end. Brain for dry picking by thrusting the knife through the groove which runs along the middle line of the roof of the mouth until it touches the skull midway between the eyes. Use a knife which is not more than two inches long, one-fourth inch wide, with a thin, flat handle, a sharp point and a straight cutting edge."

The above instructions on the proper methods of killing poultry were issued by the Department of Agriculture. At least thirty per cent of all the poultry coming into the New York market is incompletely bled. Much of it is so badly bled that it

results in a loss of from two to five cents a pound, as compared with the corresponding poultry which is well bled and in good order, continues the department. Aside from the bad appearance of incompletely bled chickens their keeping properties are very inferior. The flesh loses its firmness sooner; its flavor is not so good; the odor of stale flesh and finally of putrefaction comes sooner; and in every way the product is more perishable.

A very large proportion of the unsightly poultry in our markets, aside from the rubbing and tearing of the skins, is caused by an incomplete removal of the blood. This is evidenced by red dots which frequently occur where the feathers have been removed, especially over the thighs and wings, or by the small veins, which mar the appearance of the neck. Generally it is the neck which shows most plainly the presence of blood in the fowl, or that a wrong method has been used in cutting the blood vessels in an attempt to empty them. The neck is the first part to discolor, becoming first red, then bluish red or purple and finally green, as aging progresses.—Government Bulletin.

BARRED ROCKS

Pure bred and bred to win and lay. Choice matings \$2 per 15; \$3 for 30, utility \$1 per 15; \$5 per 100. Light Fawn Indian Runner Ducks, eggs \$1.25 for 12; \$2 for 24. Circular free.

MRS. VIOLA THOMPSON,
St. Joseph, - - - - - Kentucky

W. F. BLACK SPANISH, S. C. WHITE LEG-HORNS, WHITE WYANDOTTES, SINGLE COMB REDS, AND BARRED ROCKS.

Our pens are mated, and we are shipping day-old chicks, and eggs for hatching, and guarantee safe arrival. Day-old chicks 12 1/2 cents each. Eggs \$1.50 per fifteen. Address
JNO. BOONE, - - - - - Echols, Ky.

Mallard Duck Eggs for Sale.

Booking orders for Mallard Duck Eggs, \$1.50 per dozen. The kind that lay. Gathered over 100 eggs last season from two for table use. Meat unsurpassed.

Rhea G. Price - - - Auburn, Ky.

Pleasant View Poultry Yards

EGGS EGGS EGGS

For sale from my great prize winners, S. C. Black Minorcas, Partridge, Plymouth Rocks and Buff Cochins Bantams. Not quantity, but quality. Write your wants and see if I don't treat you right.

J. A. McQUISTON, Prop.
Greenwood, - - - - - Indiana



Conkey's Starting Food for Baby Chicks

Is a ready prepared food that supplies the right elements for proper nourishment and vigor. Its use

Makes Chicks Sturdy

Prepares and strengthens them for regular ration. Saves trouble and worry.

Lessens Leg Weakness

Guaranteed to satisfy or money back. 25 lbs. \$1.65, 50 lbs. \$3, 100 lbs. \$5.75. Small sizes 10c, 25c, 50c and \$1.

Conkey's Lice Powder

Dusted on sitting hens rids them of lice and keeps chicks free from these disease breeding pests. 10c, 25c, 50c and \$1 pkgs. The G. E. Conkey Co., Cleveland, O.

FLETCHER'S Buff ROCKS

ALWAYS WINNERS, won at Chattanooga show 1st cock; 1st cockerel; 1st, 2nd pullet; 2nd, 3rd hen; 1st pen. Stock and eggs for sale. Eggs, \$2.00, \$3.00, \$5.00 per setting, \$10.00 per hundred.

JNO. G. FLETCHER -- 404 Vance Avenue -- CHATTANOOGA, TENN.

FRAIN'S BLACK and WHITE ORPINGTONS

Our winnings at Augusta Show on Blacks: 1st hen; 3rd pullet; 3rd cock; 3rd, 4th, 5th cockerel. A lot of Black cockerels for sale. Whites: 4th and 5th hen at Columbus, Ga. Blacks: 1st hen; 1st and 5th cockerel; also the best bird in the show; 2 special \$10.00 in gold and 2 silver cups. Whites: 4th cockerel. Eggs, \$3.00, \$5.00 and \$10.00 per setting; utility stock eggs, \$10.00 per 100. Agents for Cyphers Incubators and Supplies.

R. A. FRAIN & SON -- 1370 Broad Street -- AUGUSTA, GEORGIA
2316 Wrightboro Road



Your Chance To get EGGS at Half Price From Fairview White Rocks America's Greatest Strain

Having hatched all the chicks I can rear successfully, I will sell eggs the balance of the season at half the prices quoted in my mating list. Bargains in breeders. Write for my large illustrated catalogue, it is FREE.

GUY DAILY, BOX D. JEFFERSONVILLE, IND.

TEN PER CENT REDUCTION

On All List Prices

IS ONE of the first good things we have to offer you as the results of the Uniting of the successful Poultry Farms that make up the United Poultry Farms (Inc.) We hope by saving in cost of production and sale to offer our customers many more inducements to buy of us.

The United Poultry Farms

(INCORPORATED)

consists of the Poultry Plants that stand for the best in the varieties they breed and for the best treatment possible to give customers.

The Farms of Wm. Cook & Sons.
Scotch Plains, N. J. **Originator** of all the Orpingtons and the acknowledged headquarters for the best in this Breed.

U. R. Fishel (Fishelton), Hope, Ind., the home of Fishel's White Plymouth Rocks that are conceded the leaders in the variety known throughout the world as the **Most Beautiful and Profitable.**

Busham-Pierce Red Farm, Carmel, Ind., the best in Rhode Island Reds, as has been proven time and time again in the leading shows of the United States, under the direct supervision of Judge W. C. Pierce.

J. C. Fishel & Son, Hope, Ind., the "World's Best" White Wyandottes, no farm has better, and no farm has taken better care of its customers.

C. E. Spaugh, Rugby, Ind., for twenty years has been producing **Barred Plymouth Rocks** that have won wherever exhibited. **Not Quantity but Quality,** has been Mr. Spaugh's motto. Successful winners at Indianapolis, Cincinnati, Springfield, etc.

Mrs. U. R. Fischel, Hope, Ind., entire flock of noted **White Indian Runner Ducks**, by far the best in this wonderful variety of water fowls. Such style, station and type can not be found elsewhere. Winners at New York, Indianapolis, Knoxville, Cincinnati, etc.

As the **United Poultry Farms, Inc.**, we individually and united expect to give you better service than ever before. See the ads of the various farms. Write us your wants, please.

THE UNITED POULTRY FARMS, Inc.

Hope, Ind.

Scotch Plains, N. J.

WHO ARE

The people interested in this new move in the Thoroughbred Poultry Industry and WHY this change from the old methods? The men interested felt as individuals they had done all they could do to promote the thoroughbred poultry business, but, as a United Farm we can give the business more publicity, produce more fowls and better ones at less cost.

The United Poultry Farms

(INCORPORATED)

Consists of only such farms that have made a success in the business, starting without a dollar, and by proper business methods and the ability to produce the best in their line, are the conceded leaders : : : : :

Wm. Cook & Son, Scotch Plains, N. J.

ORIGINATORS OF ALL ORPINGTONS

What more can we say to all Orpington Breeders than this.

U. R. Fishel, Hope, Ind.

Whose **White Plymouth Rocks** have been the leaders for years, and whose farm of 120 acres devoted to the one variety has proven what can be done with poultry.

Bushman-Pierce Red Farms, Carmel, Ind.

By far one of the most successful **Rhode Island Red Farms** in the World, under the direct supervision of Judge W. C. Pierce.

J. C. Fishel & Son, Hope, Ind.

The noted "World's Best" **White Wyandottes**, for years the home of more good White Wyandottes than could be found on any one farm.

C. E. Spaugh, Rugby, Ind.

For twenty years breeder of **Barred Plymouth Rocks of Quality Unsurpassed.**

POULTRY FEEDS

Such as we have used for years will be for the first time offered for sale. These feeds will be manufactured in our own mill and will be a great help to the **Raisers of Poultry.**

¶ These farms and owners are well known to every man, woman and child interested in thoroughbred poultry. They have, as individuals, made it possible to have the Great Poultry Plants the United Poultry Farms, Inc., now own, and by their United efforts they have planned to do even greater things for the up-building of this great growing industry. **WRITE US. Box H.**

Western Office,
Hope, Ind.

Eastern Office,
Scotch Plains, N. J.

U. R. FISHEL, President
P. A. COOK, Secretary & Gen. Mgr.
W. C. PIERCE, 1st Vice President
C. I. FISHEL, 2d Vice President
J. C. FISHEL, Treasurer



If you are Secretary of your Specialty Club, Poultry Show or Association, be sure to send in your news each month for this department. We will gladly publish same free for you. Also let your members know what the Club and Association are doing. Keep them posted.

The American White Faverolle Club.

This club was formally organized on March 25, 1914. The officers elected were D. Lincoln Orr, Orr's Mills, N. Y., president; K. M. Turner, West Nyack, New York, vice-president; Geo. H. C. Hole, Cornwall, N. Y., secretary-treasurer. Executive Committee: C. E. Elliott, August D. Arnold and E. F. Aubry.

A committee was appointed to draft by-laws and report to the next club meeting.

The dues were fixed at \$2 a year, in advance, and we ask all White Faverolle breeders to join at once. Silver cups were offered to members only for the best male and female at both the Palace and Madison Square Garden shows.

As regards legs of the White Faverolle, the club adopted the French standard, which reads, "Slightly feathered or featherless," as we feel we would rather follow the lead of the originators than any other. Heavy feathering will be considered a serious defect. Other changes were made in the provisional standard to conform to the French standard.

For further information regarding the new White Faverolle standard, membership, etc., address, Geo. Hole, Secretary, Cornwall, N. Y., April 3, 1914.

Bargain for Buff Wyandotte Breeders.

Here is a chance to get practically \$2 worth for \$1. Join the American Buff Wyandotte Club now and we will credit you with a paid-up membership till October 1, 1915. You will be entitled to all membership privileges up to that date; receive copies of the 1914 and 1915 Year Books; receive the "Official Bulletin" each month, and all other club literature during your membership. You can participate in the 1914 and 1915 mail elections of officers and selections of places of meetings. You can compete for club special ribbons and cups, etc. In short, you get nearly a two-years' membership for the cost of one. Send a dollar at once to the secretary, J. E. Willmarth, Amityville, N. Y.

Kentucky State Poultry Show.

The Kentucky State Poultry Show, which is held annually by the Kentucky Agricultural Experiment Station, has claimed the dates from January 4 to 9, 1915, and the show will be held at the State University as usual. This show is held as one of the features of Farmers' Week and it has already attained wide distinction because of the excellence and size of the show held last January. Kindly remember the dates—January 4 to 9, 1915.

Application Made for Admission of the Campines to the Standard of Perfection.

In compliance with instructions received at the meeting of the American Campine Club, held at Philadelphia, December, 1913, I have prepared and filed with Secretary S. T. Campbell, of the American Poultry Association, petitions for admission for both the Golden and Silver Campines to the Standard of Perfection. These petitions will be acted on at the coming convention of the A. P. A. to be held in August. The Standard offered to the A. P. A. is the one as adopted by the American Campine Club. This Standard has been received very favorably by breeders of Campines throughout America. It will be a big help to the Campines when the Standard of the breed is accepted by the A. P. A.

M. R. JACOBUS, Secretary.
Ridgefield, N. J.

All parties interested in the Campine breed should secure a copy of the catalogue of the

American Campine Club. This catalogue contains a number of articles on the breed by both foreign and American breeders. Copies can be secured free by making application to the secretary.

M. R. JACOBUS, Secretary.
Ridgefield, N. J.

Rhode Island White Club Book.

The 1914 Year Book of the Rhode Island White Club of America is now ready to mail. The club is making rapid strides. Its members now represent forty States besides Canada and England.

The book contains sixty pages printed on the best paper to show up the illustrations and text. It has many items of interest and will prove helpful to every Rhode Island White breeder. This book is free to all the members. Anyone else may obtain it by sending ten cents to the secretary to pay for the cost of mailing. Send \$1 membership fee and club dues to November 1, 1914 and receive the book free.

For further information or application blanks write the secretary, Mrs. C. M. Vertrees, Cecilia, Ky.

ROYAL BLUE BARRED ROCKS

Eggs \$2.00 per 15. Pen from A. C. Hawkins direct \$4.00 per 15. Catalogue free.

GOLDEN RULE POULTRY YARDS Mt. Washington, Ky.



SINGLE COMB WHITE LEGHORNS

Eggs from D. W. Young's strain. They are not only one of the greatest winning strains, but are the best of layers. Pens mated with birds that are full of health and vigor.

E. BROWN,

HAMPTON COURT,

LEXINGTON, KY.

SINGLE COMB BROWN LEGHORNS EXCLUSIVELY

Winnings this season at National Conservation Exposition, Knoxville, Tenn., Sept. 1913, 1st, 3rd hen; 1st, 2nd pullet; 1st, 2nd cockerel, and 2nd pen. At Pensacola, Fla., Nov., 1913, 1st, 2nd hen; 1st cockerel; 2nd pullet; 1st pen. Our stock all bred on the single mating plan for heavy egg production. This stock also has the size and combs that show constitution and vigor. Eggs guaranteed to hatch, at \$1.50 per 15. Day old chicks guaranteed to live, at 15c. Mature stock guaranteed to please, at \$2.00 and up. Special prices on larger quantities. Satisfaction and promptness our specialties.

STURTEVANT BROS. BROWN LEGHORN FARM, Box 12, KUSHLA, ALA.

WHITE WYANDOTTES

Have a number of exceptionally fine cocks, hens and pullets that I will sell at bargains for quick buyers. Will sell my New York, Atlanta, Savannah and Columbia winners. If you want some of the best blood in America write me at once stating what you want, and I will make you price to suit. Remember my birds have won from New York to Atlanta in awful strong competition. No cockerels left.

T. L. LITTLE

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Box No. 534

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CAMDEN, S. C.

SINGLE COMB Buff ORPINGTONS

I specialize S. C. Buff Orpingtons. 1st and 5th cockerel, Augusta show. Will furnish limited number of eggs from my 1st pen at \$5.00 per 15. Other pens, \$3.00 per 15 and \$2.00 per 15. Stock, matter of correspondence. Also Homing Pigeons.

R. W. WHITAKER

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Box 212

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AUGUSTA, GA.

The National Java Club.

The National Java Club was organized at Laporte, Ind., on August 12, 1913. The following officers were chosen. Geo. M. Mathews, president, Brocton, N. Y.; Herbert Hodgson, vice-president, Albion, Ill.; Herbert J. Link, secretary-treasurer, Laporte, Ind. Executive Board: W. L. Messer, Bath, N. Y.; Mrs. M. K. Rudd, Milacia, Minn.; Herbert J. Link, Laporte, Ind.; Herbert Hodgson, Albion, Ill.; Geo. M. Mathews, Brocton, N. Y.

The object of the club is to encourage the breeding of all varieties of Javas. Plans are under way now to have a club show this coming winter. Chicago, Buffalo and Cleveland are being considered by the members. Any person wishing to join the club can do so by registering with the secretary. There is no membership fee for 1914. Any one desiring list of breeders can secure same by writing Herbert J. Link, secretary National Java Club, Laporte, Ind.



INDIAN RUNNER DUCKS

The greatest layers on earth; 300 eggs per year. Send 10 cents for beautifully illustrated booklet No. 69 Tells how to raise ducks successfully. WOMAN'S COLLEGE, Meridian, Miss.



\$7.16 Profit per Hen

was made from 100 hens at Missouri Poultry Experiment Station last year. You can do the same. We teach you how and guarantee satisfaction, or your money back. Only exclusive poultry correspondence school in America. T. E. Quisenberry, President. Write for illustrated prospectus and special 10 day offer.

AMERICAN SCHOOL OF POULTRY HUSBANDRY, Box 12, Mountain Grove, Mo.



Big Profits in Capons

Caponizing is easy—soon learned. Complete outfit with free instructions postpaid \$2.50.

Gape Worm Extractor 25c
Poultry Marker.....25c
French Killing Knife 50c
Capon Book Free.

GEO. P. FILLING & SON, PHILADELPHIA, PA.

Our Breeders and Their Birds

By EDW. M. GRAHAM, Knoxville, Tennessee

Andrews' Barred Plymouth Rocks and S. C. White Leghorns.

Be sure to look up the advertisement of O. B. Andrews, Chattanooga, Tenn., on the outside cover page as he is offering eggs at half price after May 1 from his noted winners. Mr. Andrews has been very successful the past season, having won more than his share of "blues" at the leading shows all over the South. He also reports a good business this spring as he has not been able to fill all orders on account of the popularity of the "Efficiency Strain" of these two popular breeds. He has a large number of youngsters out and they give great promise of winning at the shows this fall and winter. Write for catalog and be sure to mention The Industrious Hen.

Maywood Poultry Farm Bargains.

The Maywood Poultry Farm, Anchorage, Ky., are having summer sales in both stock and eggs. They can make you some very attractive prices in either S. C. White Leghorns or White Wyandottes. Be sure to write for catalog and full particulars. They guarantee satisfaction in every sale or they will refund your money.

Buff and Partridge Rocks.

Room Bros., Fountaintown, Ind., R. R. No. 3, breeders of Buff and Partridge Plymouth Rocks have won in the past three years twenty-one silver cups and fifty-eight first prizes out of a possible eighty, at such shows as Chicago, Indianapolis, Cincinnati, Hamilton, Ohio, and Springfield, Ill. If you are in need of either stock or eggs in either of these varieties be sure to write them, for they can give you some very attractive prices at this time. In writing them be sure to mention this paper.

Look up the advertisement of DeWitt C. Bacon, Guyton, Ga., if you are interested in good S. C. White Leghorns, S. C. Rhode Island Reds, White Plymouth Rocks or Buff Orpingtons. He is offering stock and eggs at very attractive prices for the balance of the season. He reports a very heavy trade during the past season and he has a lot of youngsters out and they are developing rapidly and will be ready for the early fall fairs. Be sure to mention The Industrious Hen in writing him.

Andrews Safety Egg Carrier.

Located at Chattanooga, Tenn., is one of the largest paper box factories in the country, and we take great pride in calling our readers attention to this fact. This is the Andrews Paper Box Company, whose advertisement appears on the outside cover page of this issue. We received a letter a few days ago from O. B. Andrews, president, telling us of the heavy trade they have handled during the past six months, and increasing steadily each month. They not only manufacture egg carriers, but shipping coops and numerous parcel post carriers and a full line of colony houses and brood coops.

We want every reader of The Industrious Hen to send for a copy of their new catalogue, which gives full description of every article manufactured by them, also prices which are low and within reach of all. Be sure

to look up their advertisement and write them at once, and mention this paper.

Notice to Advertisers.

Don't forget The Industrious Hen's new home is Louisville, Ky., instead of Knoxville, Tenn. We will publish and mail the paper promptly on the first of each month. Your articles, cuts and copy for advertisements should reach us by the 15th of preceding month. New copy for ads. just starting will be received as late as the 25th, but position cannot be insured this late. Remember, we go to press on the 25th of the month for the succeeding number. Your cooperation in this matter is earnestly requested. We never failed to get Poultry Ideas out on the first of the

month. The "Hen" hereafter will travel on schedule time. It means much to the patrons of the paper.

WHITE WYANDOTTES EXCLUSIVELY!

The big Sure Hatch Poultry Farm, located at Austin, Ind., will furnish you eggs from our Blue Ribbon Pen—all winners and white as snow—for \$3.00 per 15; from our range, \$5.00 per 100.

Near Louisville. SURE HATCH POULTRY FARM, Austin, Ind.



All steel, nickel plated, punches clean, hole is right size, will not bruise the foot. Price 25c by mail or at your dealer.

J. O. PETTEY, Box 54 Belvidere, Ill.

Keep Chicks Growing Fast

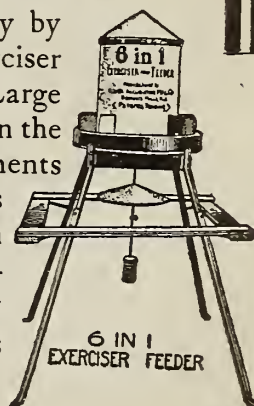


The International Sanitary Hover gives them reliable *overhead warmth and constant fresh air*. Circular—no corners for crowding or smothering. Made of metal; cannot burn, break or warp. Heavily insulated, and warmest at the curtain. To set it up you simply light the lamp and set it down—no holes to cut or platforms to build. Can be used anywhere, even in a dry-goods box.

Weights 30 pounds, easily moved. Capacity 100 chicks—nearly 200 square inches more hovering space than ordinary hovers. Used on world's largest poultry farm and by successful poultrymen in every state. Price \$8.50, complete.

6 in 1 Exerciser Feeder

Saves grain and labor and keeps your fowls healthy by making them work for their food. The 6 in 1 Exerciser Feeder is a large metal hopper on strong iron legs. Large central compartment holds grain that the birds scatter in the litter, by working the agitator. Six other compartments are for dry mash, grit, beef scrap, shell, etc. Makes all other feeding devices unnecessary. It is clean and prevents wasting feed. Fill it in the morning and fowls feed themselves. Increases poultry profits wherever it is used. Price: 40-quart, \$4.75; 20-quart, \$3.75.



Get the Catalogue NOW

Send your name now for the catalogue that tells you how to make more money through improved methods of hatching, raising and feeding. Valuable to every poultryman. Ask for the name of the dealer nearest to you.

HOVER INCUBATOR MFG. CO.

Box 187,
BROWNS MILLS, N. J.

Dealers In United States and Canada



TURKEY & WATER FOWL

DEPARTMENT

This department is conducted by J. C. Clipp, Saltillo, Ind., and any questions that you wish to ask will be answered through this department, if addressed to Mr. Clipp at Saltillo, Ind. If a personal reply is wanted, enclose a stamped envelope.

The Rouen Duck.

A READER wishes to know the origin of the Rouen duck and if they are profitable. The origin of the Rouen is very doubtful. It is not known whether or not they are simply a hybrid or a pure and natural specimen with original color as now appearing. However, they, like the Bronze turkey, are the easiest to breed to natural color of any domestic fowl. They were first discovered on the banks of the Seine, near the city of Rouen, France. Hence their name, Rouen. They are without doubt the wild duck of Rouen, France, greatly enlarged by domestication and careful breeding.

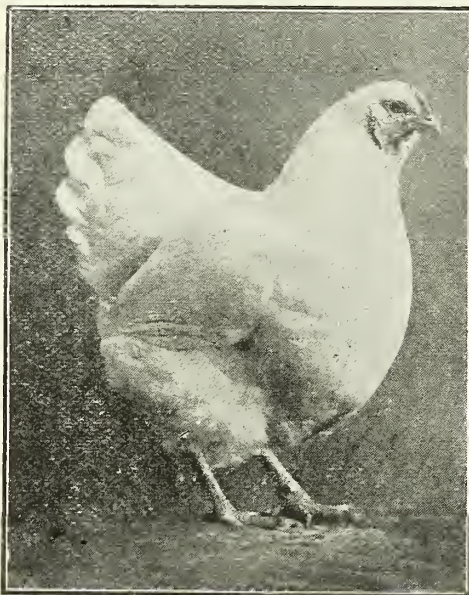
This variety of ducks have gained great favor in America. When judging on the Pacific coast I found some of the finest specimens of this variety. They were the largest and finest colored ducks I ever saw. I inquired of some of the breeders as to how they got such quality and one breeder said, "By importing them from France." He further stated that France produced the finest Rouen ducks in the world.

I hope breeders of the Indian Runner duck will pardon me if I make the statement that, taking everything into consideration, it is my opinion that the better class of Rouen ducks are far more profitable than any variety of Runners. Now I am a breeder of the Runners myself, and make this statement without any personal motive, but based from what I have observed all over the country. These ducks, both in France and in England, are grown largely for market purposes, I am told. One breeder on the coast told me that thousands of them were marketed in Paris from November until February, much the same as we market turkeys in this country. In England where the weather is much colder, the ducks are fasted eighteen hours, killed, plucked, shaped, cooled and then packed and shipped to London markets. The offals are retained in England and "trussed" by the French method (a term I am not familiar with), but as given me by an importer of this variety. The method is used so the carcass will bring a higher price on the market. When they are not drawn they will weigh more, consequently bring almost double the price if sold net.

In this country our markets are demanding them drawn. Same is true of England, as they claim when

drawn the carcass is easier kept and meat sweeter when served.

If I preferred a general purpose duck, the Rouen would be my choice. I am informed that the finest specimens in the world are to be found in the country around Normandy, not far from Rouen, France. English



An Ideal White Wyandotte Pullet and Many Times a Prize Winner; from the Yards of Carrington Jones, Buntyn, Tenn.

breeders buy freely of those large specimens. An Englishman at Spokane, Wash., informed me that many

of those Rouen ducks around Normandy were as large as our native geese and produced eggs surprisingly large.

The American people appear to be easily carried away with fads and fictions. They simply have gone mad over the Indian Runner ducks. It is true the Indian Runners are a good variety. They are good egg producers as well as good sellers for breeding purposes, but no good for market purposes. Not long since I wanted to sell some culls on the market and our market man said, "We will buy them but we would really rather not have them." They are fine for eggs, there's no getting around that. But here is a variety that when they are bred in all their natural purity will lay just about as many eggs in twelve months as any Run-

S.C. White Leghorns

The
Greatest
Egg
Machines
in the
World



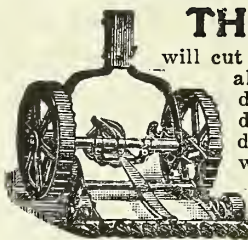
Therefore
the
Most
Profitable
Fowl to
Raise

During May and June all Eggs at half price.

Yearling Hens at Bargain Prices.

Write for Free Booklet.

GLORY-ANNA-POULTRY-YARDS
Geo. E. Schulz, Prop.
550 S. 4th Ave. Louisville, Ky.



THE CLIPPER

will cut tall and short grass, do all trimming along walks, drives and fences. If your dealers haven't them, drop us a line and we will send circulars and prices.

Clipper Lawn Mower Co.
5th St., Dixon, Ill.

DILLARD'S ROCKS AND WHITE WYANDOTTES

The best in the South. Booking eggs now. Rocks, 1st pen, \$5; 2nd pen, \$3; 3rd and 4th, \$1.50 per 15. White Wyandottes, 1st pen, \$5; 2nd pen, \$3 per 15. Write your wants.

S. B. DILLARD -- SPARTANBURG, SOUTH CAROLINA

WHITE ROCKS

I will not hatch any more this season, and offer some of my best birds for sale. Write for prices if you want a bargain in some fine breeders. Will spare a few exhibition birds also. Eggs balance of season, \$3.00 per 15. Write me anyway.

HENRY W. LESTER -- THOMASVILLE, GEORGIA

BOYD'S S. C. BROWN LEGHORNS

Eggs reduced to \$1.50, \$2.50 per 15 remainder of season. Breeding stock for sale at prices that will surprise you

H. G. BOYD - SWEETWATER, TENN.

ner. The extra eggs the Runner lays over the Rouen will not balance up the feed account through the winter months.

The Indian Runners are a profitable duck, to be sure, but the average breeder has them valued entirely to high. It is true they will lay more eggs than any ducks. But when it comes to a general purpose duck then I would claim the Rouen. They are the Plymouth Rocks in the duck family and the Indian Runners the Leghorns.

The Buff Orpington duck is gaining great favor also, which they justly claim by their own good merits. But now when it comes to getting down to the real thing for meat, good market variety, a great egg producer from February until late in summer, the Rouen will be hard to down. The trouble with almost all our Rouen ducks is, they have been crossed more or less with some foreign blood and but few people have seen the real pure-bred Rouen. Many old-time Rouen breeders think they have them in all their native purity, but frequently they have not. There is a vast difference in the real pure French varieties compared with what you generally find here. They are larger, much finer penciled and a much better egg producer. The true Rouen is a very valuable variety.

J. C. CLIPP.

Utility and Fancy Pigeons

By JOHN A. PORTER, Porterdale, Ga.

A Few Suggestions.

IT IS a matter of fact that we all figure on saving expense and labor in pigeon keeping, feeding and housing if we expect paying returns from same. We all like to get a bargain and are pleased at getting good results at less than our brother fancier. All of which is perfectly right, but, at the same time, we must be very careful that we are really doing the best for the time to come, or the future. For instance, we are tired of the mongrels we have been raising for so many years and decide to purchase pure-bred stock. What is the result? We write half a dozen breeders asking for prices and without much thought the lowest priced man gets our order. They may be a bargain, but are more likely to be a hindrance to our future success. A good start means quick results, and a little more money invested at the start will soon bring you and yours to the front.

Again, you are buying, say, wheat for your flock. The dealer calls your attention to some which he says is good enough to feed to pigeons. It is just a little bit smoky (musty, he might say to be accurate), burned a

wee bit and not sweet to the smell. It's a bargain and if you can use some can make you a price of 30 cents less per hundred pounds than on his other grade in stock. Let us see. The best wheat has more feeding value and in the use of it you do not run the risk of losing valuable specimens caused from eating spoiled grain. No, dear reader, it is absolutely false economy to purchase this cheap grain. Why? Because the best food is the cheapest, for no good can come of feeding birds on inferior grain. No amount of food of an improper kind will bring profitable returns. The same idea holds good in other articles we have to buy in our pigeon work.

So after all that article is cheap only when we can see a profit from its use. In spending our money along pigeon lines let us use thought that we may truly save, not so much in the spending as in the larger returns from the same amount of time and effort. Before closing I might suggest also as follows: Proper food properly fed in proper amounts brings good results. No amount of food of an inferior kind, improperly fed, will bring profitable returns.

Birds' appetites vary, same as ours, and the best way is to humor them. When they turn tail on their food plan to give them a change. Don't let them go hungry for the sake of a little variety.

A full grit box is just as important as proper food. It is impossible for the birds to do their best if their necessity is denied them.

When you have had your own meal go out and give the birds fresh water. They need it three times a day just as much as you do.

Never put off till tomorrow what should be done today. For there are few occupations in which delay means a greater loss than is experienced with pigeons. In conclusion, let me say that labor is the great expense in pigeon keeping—that is, time—so let us not burden ourselves too much by economizing along lines that will bear a generous outlay.—V. V. Baer.

Best Flock of Barred and White Rocks IN MIDDLE TENNESSEE

I also breed exhibition Buff and Black Cochins Bantams. My White Indian Runner Ducks are known all over the South. Eggs for hatching. Write for winnings. Tell me your wants.

C. C. SHELLEY, Decherd, Tenn.

WHITEWASHING

and disinfecting with the new
"Kant-Klog"
Sprayer

gives twice the results with same labor and fluid. Also for spraying trees, vines, vegetables, etc. Agents Wanted. Booklet free.

Rochester Spray Pump Co.,
206 Broadway, Rochester, N. Y.



Buff Orpington Ducks

Buying eggs of me means that you are getting goods from William Cook & Sons' own raised stock.

EDNA HOFFMAN

Annandale, New Jersey.

HIGH-CLASS HOMER PIGEONS

If you are in the market for A No. 1 quality Homers at reasonable price, write me. I sell the kind of Homers that can be depended upon. Big broad-breasted healthy fellows, capable of producing prime squabs seven to nine times a year and weighing from eight to twelve pounds to the dozen. Write today for prices.

NED REED,

PUXICO, MO.

WHITE PLYMOUTH COCKERELS FOR SALE

Three—Fishel strain. Will sell the three birds for \$10.00. These birds are very cheap at this price. Very large, nice shape and pure white, no brassy effect. Also have a fine bunch of squab breeders in Corneax, exhibition Homers, show Homers and Racing Homers. The best in the country. I will guarantee to please you or refund your money.

ENGLESIDE PIGEON LOFTS

I. J. ENGLE, Proprietor.

125 HANOVER ST., LEXINGTON, KY.

SINGLE COMB WHITE LEGHORNS Are the Greatest Money Makers

Our strain has been bred for 12 years for heavy laying, quick maturity and exhibition purposes. Blue ribbon winners wherever shown. 2,000 breeders. Eggs for hatching, baby chicks or breeding stock in any quantity. Satisfaction guaranteed. Reduced prices on chicks and eggs after April 20. Get our catalogue.

DENSMORE POULTRY FARM, Inc., ROANOKE, VIRGINIA



For EGGS and STOCK

from Leading Strains of Poultry, write

J. D. GARBER

Harrisonburg, Va.

Special Mated Pens at Very Reasonable Prices



This department is conducted by the J. A. Thornhill, New Decatur, Ala. If your birds are sick, write him; he will tell you through this department where your trouble lies. If you want a personal reply, send stamped envelope.

Feeding Questions.

J. A. Thornhill,
New Decatur, Ala.

Dear Sir: At what time in the day should a mash be fed to laying hens, and at what times should grain be fed to them? (2) What ingredients should compose the mash, and is it better to feed a warm or cold mash?

Very truly,

Monroe, N. C.

H. A.

ANSWER—(1) A mash should be fed in the fore part of the day. The first feed in the morning should be a mash always. Feed the grain in the late afternoon. This will keep the layers busy at work until roosting time and they go to roost happy and contented. (2) Mash should contain one part corn meal, one part wheat middlings, one part bran and one part ground oats. This may be fed either dry or wet with practically same results.

Egg Eaters.

J. A. Thornhill,
New Decatur, Ala.

Dear Sir: Several of my setting hens are eating their eggs. Is it because I am not feeding them right? Or do hens inherit the habit?

A SUBSCRIBER.

Missouri.

ANSWER—Hens learn the egg eating habit by eggs accidentally getting broke. Some writers claim that the habit is the result of improper feeding. Nests should always be placed in a dark place and the eggs collected several times a day where the habit becomes established with one or more hens. Catch them and with a sharp knife trim the ends of the beaks to the quick and by the time it gets well the habit will have been forgotten.

(Mrs. A. C. R., Littleton, Ala., please note above answer.)

Roup Cure.

Mr. J. A. Thornhill,
New Decatur, Ala.

Dear Sir: In the Poultry Disease Department of your March issue you recommended equal parts of permanganate of potash, epsom salts, boric acid and sulphate of iron for the cure of roup, cholera, sorehead, etc. Please tell me how much should be given and how often and whether the medicine should be put into the drinking water. Also, please tell me how to distinguish the difference between roup, cholera and white diarrhoea. I have just lost one of my thoroughbred Barred Rocks with one of these diseases.

Yours truly,

MRS. A. C. R.

Littleton, Ala.

ANSWER—The four drugs mentioned in the formula you inquire about are germicides, except the salts. They are also strong tonics. The writer tested and balanced the formula some several years ago and it is now being put before the public by a manufacturer of Chattanooga, Tenn., in tablet form. The drugs can be put up the same as any prescription by a doctor (about five cents worth of

each ingredient) and for a dose put enough into the drinking water to make it a wine color. For a tonic for both old and young poultry the water should only be slightly colored, but where a disease is well established more of the medicine must be added.

My plan has been to keep a little of the medicine in the drinking water of all of my poultry at all times and to increase the amount during spring and the fall. There are several distinguishable features between cholera, roup and white diarrhoea. Roup affects the head and throat, and as the disease becomes more deeply seated the entire system becomes affected. Cholera and white diarrhoea both affects intestinal tract. Cholera proves fatal in a very short time after an infection, while diarrhoea hangs on for some time. Often diarrhoea is termed "white diarrhoea" when it is nothing but a disordered digestive system as a result of improper feeding.

Feather Eating.

J. A. Thornhill,
New Decatur, Ala.

Dear Sir: Will you please tell me what is the matter with my hens and rooster. They have lost most of their feathers, especially the rooster. I notice the hens picking the feathers off each other. Can it be lice?

E. C. W.

Nashville, Tenn.

ANSWER—Your hens have the "feather pulling" habit. You do not say, but I would

BROWN LEGHORNS

Old time favorites. Great layers. Quick to mature. Hardy from start to finish. Very popular. Ask questions about "Brown Beauties."

J. H. HENDERSON

Knoxville, Tenn.

Breeder of Brown Leghorns since 1890.

EGGS AND BABY CHICKS FROM FOGG'S SINGLE COMB WHITE LEGHORNS

All our breeders this season are old birds, they produce the strongest chicks—THE KIND THAT LIVE. If you want the most for your money, send for mating list now. Safe arrival of chicks and eggs guaranteed.

N. V. FOGG,

R. R. No. 5

Mt. Sterling, Ky.

AN EXTRAORDINARY OFFER

We are making an unusual offer on eggs for hatching from our wonderful matings of S. C. WHITE LEGHORNS and S. C. BLACK MINORCAS. Write us at once for our prices. We can please you.

MOUNTAIN VIEW FARM

Box 28

Mooresboro, N. C.

gamble that you have them penned and fail to keep them busy and to feed them mineral and animal matter. The best thing to do under the circumstances is to put your hens on free range. Give them all the green food (animal and mineral food) they need and keep them busy. As a rule fowls after becoming addicted to this habit are hard to break and unless the free range and change of feeding system has the desired effect, one might as well kill them out and restock.

"WHAT DO YOU KNOW ABOUT 'OCULUM'?"

"OCULUM" made 15 cockerels gain, from Sept. to Dec. $\frac{3}{4}$ to $1\frac{1}{2}$ lbs. each over 15 others not treated and all kept together, says Seaman & Bogert.

"OCULUM" has performed miracles for us."—Foxhurst Farm.

"I would not think of doing without 'OCULUM' if it cost five times what it does."—U. R. Fishel.

"You surely should have a large sale for 'OCULUM' when its qualities become known."—A. C. Hawkins.

"Never found its equal."—Oscar E. Miles.

"Works like magic."—Trexler Poultry Farm.

"It's a pleasure to commend 'OCULUM.'"—C. H. Latham.

Use "OCULUM" and Cholera, Roup, W. Diarrhea, Blackhead and Leg Weakness will get out and stay out. Dealers 50c and \$1. If skeptical, dime (postage) brings either size. Send balance if O. K.

LITERATURE FREE—AGENTS WANTED

H. I. CO.,

Box M

Salem, Va

ANCONAS

Madison Square Gard-n Winners.

Address,

H. E. PORTRUM,

Rogersville, Tenn.

POULTRY LIFE INSURANCE

ZENOLEUM

KILLS LICE AND MITES

DISINFECTS the Hen House, Brooder and Incubator. CURES Roup, Scaleg Leg, Canker, Cholera. PREVENTS White Diarrhoea
Endorsed by 50 Experiment Stations

Every person interested in the causes and symptoms of all poultry diseases should read CHICKEN CHAT—Free if you ask for it. It names diseases, and suggests methods for curing them, and offers ideas for preventing contagion and infection.

The most eminent poultry authorities in the world have contributed their stories to this book. An interesting report is made by the Ontario Government poultry expert, Professor Graham, in regard to his successful handling of incubators, and the prevention of white diarrhoea in his hatcheries.

Ask the Druggist or Poultry Supply Man

At dealers 8 oz., 25 cts; Quart, 50 cts; Gal., \$1.50
Postpaid 8 oz., 35 cts; Quart, 65 cts; Gal., \$1.50

The ZENNER DISINFECTANT CO.
227 Lafayette Ave., Detroit, Mich.

Various Questions.

J. A. Thornhill,

New Decatur, Ala.

My Dear Sir: Please give me some light on several questions. (1) Is it true that pullets hatched by an incubator lay better than those hatched by hens? (2) My hens lay a large per cent of soft-shelled eggs. What is the trouble? (3) Will yellow-shelled eggs hatch as large per cent of healthy chicks as will those of white shells? A SUBSCRIBER.

Dayton, Tenn.

ANSWER—(1) There is absolutely no difference in the laying qualities of pullets hatched by incubators and those by hens, if the eggs are from the same parentage. (2) Give them more oyster shells, green food and ground bone. (3) No, not as a rule, because the yellow-shelled eggs are laid by the large breeds which do not exercise as much as do the smaller ones and, too, the males of the larger breeds are not near so active as are those of the smaller breeds. The color of the shell has absolutely nothing to do with the fertility though.

Poultry Shows Then and Now.

IN YOUR April issue C. W. Anderson expresses the sentiments of a great many of the poultry breeders of the South. Now there is a remedy and I think I can show it: First there is quite a difference in the manner of conducting shows now and the way they were conducted fifteen to twenty years back. Then shows were held to give people a chance to study the different varieties, to bring the breeders together to compare their stock and to increase the interest in improving poultry for more meat and eggs or for utility. Now the main idea seems to be to "win a prize" at any cost or sacrifice and egg production, meat production and general utility is lost sight of.

It was very seldom that shows failed to pay their prizes in full back then. They usually employed one judge (which is enough for any ordinary show). He usually spent three days scoring (which is the correct manner to judge by), the fowls, and during all the time he was scoring the fowls interest was kept up. As many people and especially breeders, like to visit a show to see the judging going on, my experience is that soon as the judging is over interest lags; all the time before judging is completed breeders are working with their birds to keep them in pink of condition and attending every moment in the show room, and many people who are not breeders come to see the judging done. But soon as the judging is over Mr. Breeder seems to lose his interest in the whole thing and if he doesn't win he begins to knock the show.

At the present time often four to six judges are employed to do the work at a show that one good judge could easily do, and thus the expense and salary of four to six judges have to be met in place of one. The judges come and each one kind of holds back to let the others do the work he wishes to shirk. They get through their work first day and light out, leaving no score card or any other written evidence to show the cause of their awards.

The breeders and exhibitors come

in about the second or third day to find birds all judged and judges whom they wanted to see all gone. They find they did not win a prize but can find nothing to explain why. No score cards to tell the judges opinion, and the judges not there to give any information.

Now my plan would be to go at the whole matter in a business way. Employ one judge and have him for the entire time of the show. Get the best one you can obtain as his salary may be little more, but his expenses will be no more than the one not so well known or competent. Don't offer too large prizes; offer reasonable prizes and try to have a nice line of specials donated. Make the advertising in the catalog pay for the catalog. Let members of the association look after the expenses in a out every time. The trouble is often too many judges to pay expenses of, or too much style put on in advertising. The daily papers can always be depended upon to print all the matter you give them about your show and that is the very best advertising you can get. Whenever a show fails financially or fails to pay its exhibitors their premiums they have injured the whole business much more than they have helped it by holding a show.

We think also that entrance fees should never be under 50 cents on singles and \$2 on pens. And it will pay to give complimentary tickets to the business men who donate your specials, as it will cause them to take interest in the show and they will not only come but will bring their families and cause others to come.

Let each member of the association be assigned some duty to perform and see that he does it. The Spartenburg, N. C., Poultry Association comes nearer holding their shows on the plan as outlined here than any other that I know of, and they have the most successful of any I have ever had the pleasure of attending. Mr.

C. W. Anderson, their secretary, has held the position for years and has the hearty support of the entire association. They employ one judge and furnish him first class help and assistance so that he can go right along with his work. They are always ready for the judge when he arrives. He can go to work soon as he enters the show room and will find everything in A-1 order and nothing to bother or retard his work. If all association had secretaries like C. W. Anderson and run their shows as Spartenburg does, there would be no complaint from exhibitors but the shows like the Spartenburg show would grow from year to year. If Spartenburg will adopt the score card she will have the ideal show of the South.

D. M. OWEN.

FOR SALE

WHITE WYANDOTTE

hens, beauties, one year old, \$2 each.
Plump young Wyandottes, healthy
and strong, 15c each Eggs, White
Wyandottes, \$1 per 15.

Mrs. W. P. HUNTER, Lyle, Tenn.

S. C. WHITE LEGHORNS (Young Strain)

Several pens for sale cheap. Eggs from our prize winners \$1.00 per setting, for this month only. White Runner eggs, \$1.00 per setting. IDEAL POULTRY FARM, Drawer C-5, Winder, Ga.

ONE OF THE REASONS WHY
GERMIFUGUE

used externally or given internally gives such immediate relief, is because it is so quickly absorbed by the tissues, due to the penetrating oils in its composition. Whether you have use for it in the poultry yard, the stable or the family, you will find Germifuge worthy a trial, and once tried you will never be without it.

Two-ounce Tins by mail, postpaid.....25c
One-pound Tins by express (collect)...\$1.00
No free samples—but a 25 cents tin will be sent on approval; if it pleases you, you include the 25 cents with your "repeat order."

Manufactured and for Sale by

J. H. PETHERBRIDGE

MT. AIRY, PHILADELPHIA, PA.

COVERT'S QUALITY BUFF ORPINGTONS

Winners at Knoxville, Terre Haute and Indianapolis, 1913-14. Grand yards mated for eggs and baby chicks. No matings held in reserve. Large, massive Buffs that are bred to lay and win. The productive qualities of my birds make them worth owning. My catalogue is free if you mention this paper. Book your orders early. Satisfaction guaranteed.

H. M. COVERT

BOX X

2500 North 13½ Street

TERRE HAUTE, INDIANA

A
Natural
Poultry
Land

Poultry do best in an open winter country. It is artificial to house birds 4 to 5 months in the year.

In the open air, with ample green feeds the year around, they lay better, grow faster and are more vigorous.

The Southeast is a natural poultry region. A growing season of 200 to 300 days annually (varying with locality) allows for a wide range of green foods the year round and reduces the cost of maintenance to a minimum.

If you intend starting in the poultry business and have but limited means, no section can offer you more certain success than the Southeast.

Land at \$15 an Acre up

prices varying with improvements and location, can be purchased in many sections near to good local markets. A Northern Florida poultryman sells his eggs the year around to a local hotel for 40 cents per dozen. Thus profitable home markets are assured. Small fruit growing in connection with the poultry business makes a profitable combination.

Send at once for the "Southern Field" magazine, lists of farms for sale and other information you may desire.

M. V. RICHARDS, Land and Industrial Agent

Room 143

Southern Railway

Washington, D. C.

Mobile
& Ohio R.R.
Southern Ry.
Ga. So. & Fla.
Ry.

Parcel Post News

Advertising—The Publication, the Advertiser, the Reader.

A STRANGER once called at the office of a big manufacturing concern and asked a gentleman at the first desk:

"Are you the manager of this concern?"

"Well, er—yes—no I am just manager of half of it, the advertising department," was the reply in a joking manner.

But there was a whole lot of truth in the statement that judicious advertising is about half the battle in most any commercial enterprise. We do not care to take space to develop the art of advertising (for it is an art) only as it pertains to poultry publications and those who advertise therein, and the reader and prospective buyers, as to the publication. It is a well known fact that were it not for the advertising patronage they receive, the poultry publications would be financially a failure, and with the advertiser, if he had not a chance (as given through the poultry publications) to reach poultry loving people and prospective buyers, he also would have to shut down his plant. And the buyer, well, guess he'd not buy much if he could not find an advertisement of the breed he sought for. So, our interests are rather mutual, and should we not be courteous and helpful to each other and their interests?

The advertiser, if he is shrewd, looks carefully to the circulation of course, but is that all? Why it is only one item to keep in mind. But I will say that as a rule there is too much reliance placed in this item. We learned years ago that an ad. placed among hundreds of similar ads., even if the publication had upwards of a hundred thousand circulation, was not always a success because of that circulation, but often a similar ad. in a similar publication but with no more than fifteen to twenty thousand circulation and less than one-fourth the advertisements, pulled

twice the inquiries and twice the sales.

Which would you prefer, brother advertiser? To have your Rhode Island Red advertisement among a hundred other advertisers of the same variety or among, say, ten or fifteen? Of course a reasonably good circulation should be expected, but it is not always a jump in the right direction to jump into the advertising columns of a publication just because it boasts of hundreds of thousands of circulation. Circulation is not the whole thing, not

by a long way. Poultry journals, and in fact all publications, wish to give good service to their advertising patrons, but they can't do the whole thing. There is something for the advertiser to do. If an advertisement is not followed up by a business-like and courteous correspondence that smacks of honesty and fairness and in turn is backed up by delivering the goods, the advertising expense is a failure but we have no right to charge it up to the publisher.

Send us your Mail Orders for

Silks, Dress Goods

Wash Goods

Linens and

Domestics

Linings, Laces
and Embroideries

Veilings

Neckwear

and Handkerchiefs

Dress Trimmings

Infant's Wear

Housefurnishings

Shoes

Art Goods

Trunks and Bags

Any of This
Merchandise
Can be Sent
at Once by
Parcel Post
Send for Style
Sheet for
Spring and
Summer, also
Complete
Style Book.

Gloves

Ribbons

Notions

Stockings

Jewelry

Leather Goods

Toilets, Men's

Furnishings

Millinery

Waists

Muslin Underwear

Corsets

Suits, Coats

and Dresses

Lace Curtains

Address all Orders to Department G
Ask for Attractive Folders

STEWART DRY GOODS GO.

INCORPORATED

LOUISVILLE
KENTUCKY



**SUPERIOR
SANITARY
LAUNDERING**

THE ORIGINAL

Parcel Post Laundry

MAIN OFFICE: 628 W. JEFFERSON ST., LOUISVILLE, KY.

ORIGINAL and UP-TO-DATE, of progressiveness we boast,
Since we first employed your UNCLE SAM with his PARCEL POST;
Our SANITARY work will bring a smile—makes happiness complete,
It's GUARANTEED. We RETURN it PROMPT, packed secure and neat.
Bundles fifty cents or over, the POSTAGE BOTH WAYS we pay,
Write for Information (or better still), SEND A TRIAL BUNDLE TODAY;
CHARGE ACCOUNTS are opened to parties with reference,
Tried once, this LAUNDRY will always be your preference.



Long life to your linen means
Good Luck to Your Purse

He has done his duty but we fell down.

A says "The Journal sold him out in sixty days," but B says, "It gives him no results at all." Now don't think for a moment that the service given A was any better than that given B, but remember A might have written his ad. in a little more attractive and catchy style and also he might have had a particular variety or strain which was more called for at that time, hence quick sales resulted. Don't condemn a journal because it doesn't sell you out with no effort on your part; those kinds are not published.

Old advertisers will tell us that writing an advertisement is an art, and so it is. But there are a few rules to go by to make it an art easily learned. The first thing to do is to get the readers' attention, then you can display to him the goods you offer him in as small type as you please and it will be as effective as that set in type a half inch high. You do not catch an old experienced advertiser putting his name and address in one-half inch type and putting the name of the breed he raises in smaller type. No, he is not advertising his name and address, but he is advertising the variety of fowls he breeds, hence the buyer looks for the name of the variety he seeks first, the owner's name is the last thing he cares to read. In short, if the names of the goods he offered are in large, heavy-faced type, the balance may be in used in small type explanatory. If his leading statements do not sound reasonable it will knock the value out of most any advertising. It is all right to toot our own horn but when we blow it so hard it does not sound like a horn: the effort has been a failure so far as attracting attention is concerned.

A duty the reader has towards the publisher and advertiser is to say where he saw their ad. when he writes an advertiser. It helps all concerned. But, oh, how few there are that do it. Say, Mr. Would-Be-Purchaser, if you will just get a notion of starting your letters of inquiry something like the following, it would please you to see the broad smile of appreciation it

CANCER

FREE TREATISE
The Leach Sanatorium, Indianapolis, Ind., has published a booklet which gives interesting facts about the cause of Cancer; also tells what to do for pain, bleeding, odor, etc. Write for it today, mentioning this paper.

would bring to the face of both advertiser and publisher:

"Mr. Frank R. Brown. Dear Sir: Seeing your advertisement in the—journal, I am writing in answer to same, etc." Briefness in an advertisement (if every word is a puller) is generally the best part of it.—Exchange.

God's Herbs Heal The Sick

Disease—No Matter By What Name It Is Called—Disappears With The Aid Of These Wonderful Roots And Herbs.

God's promise that the Herbs of the field "shall heal the nations" is as effective as ever. Read your Bible, Protestant and Catholic, and find out for yourself. *Ezekiel 47, 12 verse. Ecclesiastes 30th chapter, 14th, 15th, 16th and 17th verses; 38th chapter, 4th, 6th, 9th and 15th verses, etc.* Take God at his word, be well and strong. I prepare with pure, sweet, fresh Roots and Herbs my *Cheyenne Indian Medicines*. These marvelous healers of disease restore health in a remarkably short time—even as God has promised. Makes the blood rich and pure—disease cannot exist.



Work Wonders From The Very First.

Dose by dose these wonderful healers remove the impurities. You feel better from the first dose and keep on feeling better until restored to perfect health.

Write today for my FREE book "The Cow Boy Herbalist." It tells the experience of suffering men and women who have been fully restored to health after untold suffering from Rheumatism, Diabetes, Stomach and Kidney troubles, Blood Poison, Lung trouble, Dropsy, Nervous Prostration, Female Complaints, etc.

You will rejoice as long as you live if you will let me convert you to the methods God would have you use to be well and strong.

MRS. CHARLIE WHITE-MOON, The Cow Boy Herbalist.
3733 W. BROADWAY, LOUISVILLE, KY.

KIMO



Shoe Polish Outfit

Clean - Compact
Always Ready
For Use.

No more tin boxes to break the nails - for KIMO comes to you in a COLLAPSIBLE TUBE which prevents its drying up. Squeeze a little out onto the shoe.

No dirty brush - (you don't need one with KIMO) no fuss - no soiled hands. The KIMO MITT prevents all this and gives you a Brilliant Shine.

Each KIMO OUTFIT consists of a COLLAPSIBLE TUBE of blacking, patented polishing mitt and a mud scraper, all securely packed in handsome Metal Case. Complete Outfit, your choice of Polish, Black, Tan or White, 42c P. Paid.

Mac SPECIALTIES CO.,

"E" Arista Place, Grand Ave. and 28th St.
LOUISVILLE, KY.

We have a good proposition for LIVE AGENTS for our specialties.



A \$3.00 SHOE FOR \$2.05

Send for
the
Parcel
Post
SHOE
CATA-
LOGUE

When Uncle Sam established the parcel post he made it possible for you and your family to save \$10 to \$25 a year on your shoe bill. We handle every desirable style and kind of shoe for every member of your family and each shoe is the very best at the very lowest price.

The Ladies' Shoe Illustrated Is A Sample

To show what we can do for you, we have this shoe in all sizes and widths. send us your order and check or money order stating the size you want and we will mail you the shoes by prepaid parcel post. If when you receive the shoe it is not entirely satisfactory return at our expense and we will refund your money.

No. 243 Ladies' Fine Patent Leather, dull calf top, button shoe exactly as illustrated. Sizes 2½ to 8, all widths. This shoe is sold regularly at \$3.00, our price \$2.05 prepaid by parcel post.

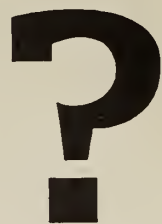
PARCEL POST SHOE COMPANY

Incorporated

Dept. P.

LINCOLN BLDG.,

LOUISVILLE, KY.



Are You Interested In Rugs Draperies, Furniture and other House Furnishings

—if so send us your name and address and we will mail you in a few days a descriptive catalog. We have been in the House-furnishing business for many years and our buying facilities enable us to quote rock-bottom prices on goods of this kind. For proof of this write for our catalogue which will be published in a few days.

J. BACON & SONS
INCORPORATED

We give and redeem surety coupons

330-334 W. Market Street
213 South Fourth Street

Louisville, Ky.

Coming Attractions

B. F. KEITH'S—Fourth near Chestnut.

Immediately following the winter season of metropolitan vaudeville, the summer schedule at B. F. Keith's Theater was inaugurated with a massive motion picture production. The week of May 17, William Farnum and Kathryn Williams and company, in a nine-reel adaptation of Rex Beach's famous novel, "The Spoilers," will be shown. In the picturized work of famous authors, Selig's version of Rex Beach's book is said to be unsurpassed in the motion picture world. It had its first presentation at the new Strand Theater in New York City, where it created unusual interest and comment. Colin Campbell is the producer of this piece and he has brought out every detail of the story with distinctness.

NATIONAL THEATER—Fifth and Walnut

Real vaudeville. Matinee daily, 2:30 p. m. All seats 10c. Night two shows continuous, starting 7:30 and 9:15. Lower floor seats 20 cents. Sunday two matinees continuous, 1 and 3:15.

The National is the newest and most beautiful playhouse in Louisville. Absolutely fire-proof, thoroughly ventilated by perfect washed air system. The program each week consists of six acts, representing the highest class of vaudeville and a special moving picture feature. Some of the coming attractions will be Willy Zimmerman, famous character impersonator; William S. Gill and company, presenting "Bill Jenks, Crook;" Dreyer and Dreyer, dancing stars; the Six Abdallahs, acrobatic whirlwinds, etc., etc.

NOVELTY THEATER—410 S. Fourth St.

Exclusive Universal program and features. Pictures change daily. Best projection in the city. Mirror screen. Orchestra.

WALNUT THEATER—Opposite Watterson Hotel.

Photoplay masterpieces, and music to please every taste. We have the only electrical unit orchestra in the city. Come and hear it if you love music. Continuous performances daily, including Sunday, from 11 a. m. to 11 p. m.

S. C. MOTTLED ANCONAS

Eggs for hatching
\$1.50 to \$3.00 per 15.

T. F. HOLDER, Morristown, Tenn.

BOURBON RED TURKEY BOOK FREE

It tells all about the wonderful new Bourbon Red Turkeys which are so easy to raise and lay their eggs at home with the chickens. It tells how to get started with these turkeys that do not wilt and droop and sleep and die, but grow and feather up and fatten from the day they hatch. Gives records of remarkable results with BOURBON RED TURKEYS all over the U. S. Interesting pamphlet of instructive "turkey talk" free to farmers. Address
RED BIRD RANCH, R. 34 Cave City, Ky.

KENNEY'S

Great Strain of

S. C. WHITE ORPINGTONS

WINNERS WHEREVER SHOWN
Eggs half price after May 10. Also some choice breeders from our breeding pens at reduced prices. Address

MRS. WALTER KENNEY,

Q. R. No. 1,

Paris, Ky.

Rhode Island Reds

If you want the best Reds in the world or simply common, cheap Reds, do not send to me. I have neither. Mine are fine, well-bred birds. Winners, year round layers, hence payers. You want some eggs to hatch from these. Write for mating list. D. MATT THOMPSON, Box B, Statesville, N. C.

4

You can count on the four fingers of one hand every poultry raiser in the world who can pick out all the unhatchable eggs before incubation and not use the Magic Egg Tester. Why guess? Why waste money, eggs, space and time? \$2.00 each by mail. Fully guaranteed. Newest incubator methods with each Tester. Illustrated circular sent for the asking.

Magic Egg Tester Works, Dept. G, Buffalo, N. Y.

ROSE BLACK MINORCAS

Eggs from my winners of eight firsts, five seconds, one fourth and two fifths at the last St. Louis, Springfield, Ill., and combined Kansas City and Missouri State Show. \$1.00 to \$3.00 per fifteen. Also some fine cockerels from \$2.00 to \$5.00.

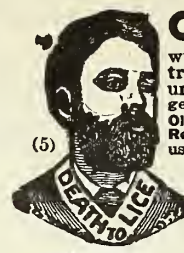
WM. M. STOCHL, 1515 Wellston Place, Wellston, Mo.

Leg Bands

Complete line—all styles and colors. Aluminum bands with turned over edges—celluloid colored number strips. Leader adjustable: 12, 35c; 25, 60c; 50, \$1.10; 100, \$2.00; 500, \$8.50. Postpaid. Also sealed and double clinch bands. Write for catalog. Samples free.

The Keyes-Davis Co., Dept. 520, Battle Creek, Mich.





Chicken Thieves

will not create as much loss in your poultry yards as a horde of lice left to work undisturbed. O. K. your Profits by getting rid of these robbers. It's easy with the Old Reliable **LAMBERT'S "Death to Lice"** used by successful breeders for over 30 years. Lambert's will not harm eggs, hens or chicks and is sure death to lice. Price 10, 25, 50 and \$1. Write for FREE copy of "Pocketbook of Pointers" by D. J. Lambert.

O. K. STOCK FOOD CO.
513 Traders Bldg. Chicago, Ill.

Dumaiesq Buttercups

Eggs and stock for sale. Exhibition fowls a specialty. My patrons have won firsts at Madison Square, Palace Show, Boston, Canada, also in England, and many smaller exhibits. Pens mated with strong, vigorous, standard birds. Write for circular. Address
MRS. J. S. DUMAIESQ, Cato's Hall, Easton, Md., R. No. 5. Treasurer A. B. C.

S. C. WHITE LEGHORNS

Eggs from prize winning and business birds, balance of season \$2.00 per 15; \$5.00 per 50; \$8.00 per 100.

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The lice question is quickly settled if you dust your fowls with

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It's safe, quick and sure. Saves your poultry profits because it

Kills the Lice

Doesn't Harm Chickens

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CONKEY'S HEAD LICE OINTMENT

Effective and doesn't harm chicks. 10 and 25 cents. Money back if these preparations do not satisfy.

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Oaklawn Strain White Plymouth Rocks

Won at Tennessee State fair five ties on eight entries. Motto, quality not quantity. Five pens properly mated to produce the best there is in White Rocks. All stock guaranteed to be as represented or money refunded. Write for mating list. Breeding stock for sale at all times.

W. B. JENKINS,

Oaklawn Poultry Yards.

GLENDAL, KY.

When you know what you want, and are willing to pay the right price for what you want, write us your wants and we can supply your wants, in

S. C. Buff and Blue Orpingtons, R. I. Reds, Houdans, Pheasants, White Runner and Buff Orpington and Wild Ducks, White Guineas, Peafowls and Phoenix Fowl.

If you are merely a catalogue or sample fiend please write the other fellow.

CHILES & CO.

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MAYWOOD POULTRY FARM

BREEDER OF EXHIBITION AND HIGH CLASS UTILITY

WHITE WYANDOTTES LEGHORNS

Write for Catalogue of Breeding Stock—Eggs for Hatching—Baby Chicks
SPECIAL PRICES AFTER MAY 15.

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DUN ROBIN FARM.

The Home of Brinkley's White Plymouth Rocks, Iuka, Miss.

THE Dun Robin Farm, at Iuka, Miss., where resides Mr. W. J. Brinkley, is an historic spot and is well worth a visit even if one is not a chicken enthusiast. The farm consists of eighty acres and is just within the corporate limits of the town of Iuka, Mississippi's great summer resort, where the healing waters are found and where balmy breezes blow even when the warmest of summer days drives one to seek shade. On the farm is said to be the grave of Chief Iuka, a prince of the Tishomingo tribe of Indians who in the days that are no more made the place a home and came to its healing waters, for in a strict analysis and in competition with the waters from all the famous health resorts, this water was awarded the highest prize at the great St. Louis Exposition. The town is the highest point in the State and is 115 miles from the city of Memphis, and in the days of the yellow plague it was the resort of many from that stricken city.

prize winning birds having gone out of the yards for as little as \$10. Mr. Brinkley realizes that it is not the worth of the fowl that he gets but he is trying to convince the doubters that show birds are good layers and payers and he knows that there are but few in this section that will pay the real worth of a handsome specimen, and for this reason he is supplying the demand at such low prices.

If any one will take the time or the trouble to visit the plant there will always be some one to show them over and tell them of the doings of the fowls both in the show room and the egg basket. Eggs are being sold now at one-half price and it is not too late to grow show birds from Brinkley's White Rocks since many of his winning pullets last season were May hatched. Better write to him and get a few settings of eggs.

White Wyandottes of Quality.

Mrs. Tom H. Hayden, Owensboro, Ky., a breeder of pure White Wyandottes, is quickly coming to the front, as her winnings at the Kentucky State Fair, Owensboro and other fairs, she has carried the premiums off for the last three years on best cock and cockerel,

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617 Market St. - - - Knoxville, Tenn.



Scene on Dun Robin Farm, Iuka, Miss., showing Mr. Brinkley's Residence and apart of the Breeding Yards.

Here in a mansion, that was headquarters for generals of both armies in the dark days of 61-65, resides Mr. Brinkley and his charming family. Beneath ancestral oaks and amid blooming magnolias his fowls have ideal surroundings. The poultry equipment is all that is to be desired. I give a view of the home and of the superintendent's cottage as well as some of the runs and open front colony houses and the Shetland ponies.

There are twenty-six breeding yards and every house has a double yard so that green stuff is growing all the time for the fowls. The incubator cellar is under the sitting room and has incubator capacity for 1,200, while there are many number of outdoor brooders in addition to the large brooder house which will care for 1,000 at the time. The farm has its own water and light plant and the water from the purest of springs is taken through pipes into each yard. The surroundings and the sanitary arrangements are all that one could desire and with the very best foundation stock it is not to be wondered at that the Brinkley White Rocks have made such sensational winnings the past season.

Not how many but how good is the motto in rearing the chix and any that do not bid fair to make most excellent specimens of the breed are soon in the fattening pens and find their way to the table.

The prices for Brinkley's birds have never been exorbitant, in fact, other breeders would get twice or possibly three times what he does for many specimens that are sold,

best hen and pullet in the whole display, and we understand she is in far better shape this season to take care of egg trade as well as being in a position to shift some of her choice young stock to the yards of others who need new blood in their flock, as she has her yards headed with cockerels and cocks from Duston famous laying strain. Also one yard direct cockerel and hens from Duston, so you can readily see she can furnish you eggs from this wonderful strain. If in need of stock or eggs write her.

Salmon Faverolles

and ANCONAS. Eggs after Jan. 1st \$1.25 per setting; \$3 per 50. FAVEROLLES are about the size of Plymouth Rocks, very gentle and easily confined. ANCONAS beat the Leghorns laying. Few trios of above, and also BLACK ORPINGTONS for sale at \$6.00 trio.

VINELAND POULTRY YARDS.

Tullahoma, - - - Tenn.

DIXIE'S QUALITY STRAIN

White Wyandottes have won more regular and special prizes than all others combined at three leading shows this season. The strain that is bred to lay as well as win. Eggs from the best pens I have ever mated, which means quality, \$2.00, \$3.00, \$5.00 per 15. Write for mating list.

CARRINGTON JONES, Box 145, BUNTYN, TENNESSEE

SINGLE COMB BUFF LEGHORNS

If interested in Buff Leghorns, write for my 1914 catalogue, containing matings, prices and list of winnings at such shows as Chicago, Nashville, Augusta, Atlanta and Knoxville and compare with any breeder in the South. Excellent breeding females, \$1.50 each; males \$2.00 and \$3.00. Better prices on 10 or more. Eggs from two all prize matings headed by Chicago winners, \$3.00 per 15. Pens headed by Nashville and Augusta winners, \$2.00 and \$1.00 per 15; \$5.00 per 100. If eggs are to be sent by parcel post, postage will be paid on pens 1, 2, 3 and 4. DR. E. S. LANDESS, Fayetteville Tennessee.



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Eggs and Baby Chicks from Exhibition and Pedigree matings. Our winnings at Chicago, Indianapolis, Cincinnati, Louisville, Nashville and Knoxville prove our quality. Do not place order until you get our big catalogue. Your name and address on a postal brings it by return mail. Write for 40-page catalogue No. 7. POPE & POPE, Box R, LOUISVILLE, KY.



Popular Talks on Law

By **WALTER K. TOWERS, A. B., J. D.,**
of the Michigan Bar

The Rules of the Road.

THE ROADS are for the use and convenience of the public as a whole, and the public has the right of traversing the roads for purpose of travel and to make transfer of their goods. This right to the use of the highway is that of every person. Of course this right of passage must be exercised in a reasonable manner. Thus cattle may be driven through the public highway subject to proper regulation by municipal authorities and wagons or trucks may be used to haul loads over the roads.

But the roads may not be used properly for sports or diversions. Neither may a person using the highway stop and stand for an unreasonable length of time. Of course some stops are permitted and are necessary, but any unreasonable pause is unlawful and an improper use of the public highway. Stops which interfere with travelers and prevent the free use of the road are improper.

An early effort was made to bar automobiles from the public highways, as being an unreasonable means of travel. But it is now firmly established that an automobile is a proper conveyance for use in the public roads. Automobilists have equal rights with other travelers and equal responsibilities. They are, like all others, subject to reasonable regulations that may be imposed by the authorities, such as registration and license.

The user of the familiar bicycle was himself frowned upon at an even earlier day, but, like the automobilist, established his vehicle before the law as a proper user of public roads. Like the automobilist he is subject to regulations, must use due care to avoid injury to pedestrians and other travelers, and must obey the rules of the road. Even the traction engine may be driven over the roads under proper restrictions. The legislature may, and frequently does, require by law that a flagman accompany the engine, or that other precautions be taken. But a traction engine may not be driven over a road so as to injure the road or seriously interfere with other means of travel. Generally speaking a highway may be used even to move a house, but always subject to the regulations of the authorities.

As the automobile and the bicycle have a right to the use of the road they are not responsible, merely because of their presence, if a horse becomes frightened and, running away, injures the driver. If the automobilist or bicyclist be negligent he is responsible for the results of his carelessness, because of this wrong which has resulted in injury to the driver, but in the absence of any negligence on his part he is not responsible for injuries caused merely because his conveyance is upon the roads.

What is familiarly known as the "rule of the road" is applied to all public ways of every description. The law is simple and familiar to all of us, that on meeting a vehicle the driver must keep to the right. The English reverse the rule of the road and with them vehicles keep to the left. But the law covering the use of the road requires that the driver do more than keep to the right when passing one going in the opposite direction. He must in addition try to avoid accidents from whatever cause. If a traveler fails to turn to the right as is required by the rule of the road he is ordinarily responsible for the resulting accident and must answer to the injured person in damages.

However, one may break the rule of the road and if an accident which occurs did not happen because of the failure to observe the rule of the road, but for some other cause, the person disregarding the rule of the road could not be held responsible for the accident. Similarly one might turn to the right and yet manage his vehicle so negligently that an injury resulted. For this he would be responsible and the mere fact that he obeyed the rule of the road would not protect him.

Beside the general rule of the road that vehicles shall turn to the right on meeting,

there are many other rules governing the use of the roads to which the law gives effect. Ordinarily a lighter vehicle is bound to avoid the heavier vehicle as far as possible. This does not relieve the heavier vehicle from its duty to turn to the right when passing, for it is required to keep to one side as much as possible that the lighter vehicle may pass. If these regulations be not observed by either party and an accident results, the party whose failure to obey the rules was responsible for the accident must answer to the injured party in damages.

Unless there is some statute or ordinance of the State or municipality which specifies a definite rule, one overtaking another on the road may pass on either side. Some State, as New Jersey, have specified that the vehicle overtaking and passing another shall pass to the left. Proper care is required in all cases. One vehicle followed another is required to keep a safe distance in the rear. Due care must be used in turning across a road.

The general rule is that the rule of the road which required vehicles passing each other to keep to the right does not apply to vehicles meeting at a cross road and moving across each others path. Each is expected to use care and diligence to avoid collision. One who turns a corner at a high rate of speed under such circumstances that he cannot see up the cross roads is generally held to be negligent and legally responsible for the consequences that may follow. In turning a corner the vehicle should be kept away from the left curb.

The rule of the road does not apply to him who walks. The pedestrian may turn whither he will. Neither is he confined to regular crossings but may cross where he will. Persons who drive vehicles are bound to exercise care not to run down pedestrians. But the pedestrian has no right of way and must take care to avoid injury and to keep out of the way of vehicles. The pedestrian and the driver have equal rights. Not infrequently certain vehicles, as fire engines, police and mail wagons are given a right of way by law. But all of the members of the public who are not in some such special class have equal rights in the roads. Each must respect the rights of the other, however he may travel, and recognize his responsibilities if through his failure to exercise care and obey the rules of the road an injury results.

How much care must be taken in each and every circumstance must depend upon the circumstances of the particular case. Usually the question of whether a particular act was legal negligence depends upon the viewpoint of the jury of twelve men, or women, who try the case. The requirement of the law is that a person act as a careful and prudent person should when placed in the particular circumstances which arise, having regard to the rules of the road. Reckless driving is not tolerated by the law and racing in a public way is, in itself, evidence of negligence.

In cities the congestion of the streets necessitates the enactment of many traffic regulations. Where these exist they must be added to the rules of the road that are general and in existence everywhere.

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Single Comb White Leghorns exclusively

Eggs from these wonderful layers at half price for May. Don't fail to take advantage of this golden opportunity. Mating list free. **LAY-A-LOT LEGHORN YARDS**, Mrs. T. H. Farmer, Proprietor, Shelbyville, Ky.

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Cook Strain. Big, vigorous golden beauties. Bred to lay. Eggs, \$5.00, \$2.50 and \$1.50 per setting of fifteen. Satisfaction guaranteed. All infertile eggs replaced free. Try a setting. **W. L. BECK** - - - - - **KEVIL, KY.**

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We offer for quick sale two pens S. C. Brown Leghorns (8 hens and 1 cock to each pen) at \$10 a pen. Also one pen Bared Plymouth Rocks (8 hens and headed by a **FIRST PRIZE MALE**) at \$16. A few Ancona cockerels at \$1.50 and \$2.50 each. Satisfaction guaranteed or money refunded. Mating list **FREE**.

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R. I., BOX 17.

JOHNS ISLAND, S. C.

Barred Rock News

The readers of this paper, not realizing the quality of the eggs for hatching I offered them at \$5.00 per 15, ordered very few of them; therefore I set a great many choice eggs myself that my customers might have had and I will be able to supply you next fall with Show Birds for any Show. Don't forget this fact. Eggs after May 1, \$3.00 per 15. There is still a chance to get results from eggs if you hurry. My breeders for sale after May 20 at half price.

M. B. HICKSON

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Birds of quality. In six among the best shows in the Carolinas during October, November and December, 1913, we won over thirty first premiums. Our stock is as good as there is. Our birds mated by one of the best judges of the South. A liberal guarantee on all eggs for hatching. Eggs, \$5.00, \$3.00, \$1.50 for fifteen. We prepay express on two or more settings.

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Single Comb Brown Leghorns—Some cocks, cockerels, hens and pullets for sale yet. Eggs will go through May and June at almost one-third price from all pens, go at \$1.00 per setting or \$6.00 per hundred. Now is your chance. Circular free.

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Our birds won 20 firsts out of possible 25, at 5 different shows. Our wins have been made at such shows that are worthy of mention, Anderson, Lafayette, Lebanon, Thornton, Muncie, and last, but not least, at Indianapolis, Feb. 7-14, winning 2nd pen in best competition from the best breeders in the United States, and also was White Rock Club meeting. We guarantee to sell eggs from better quality birds than any other breeder at less money. Eggs selected from our mated pens of winners at \$2.50 per 15; range flocks \$5 per 100. "Don't Fail" to write us for eggs.

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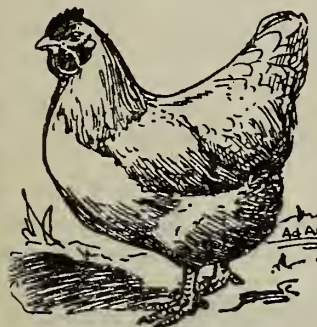
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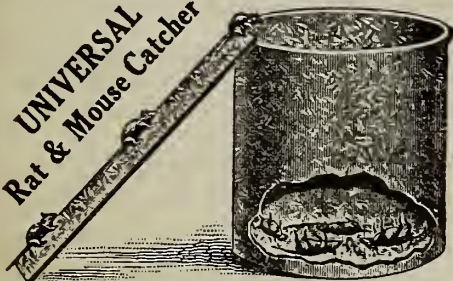
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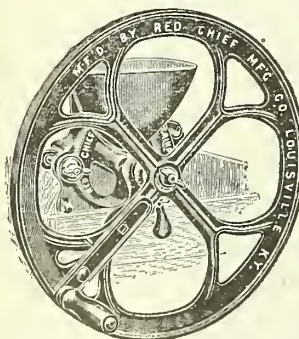
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EGGS = BABY CHICKS = STOCK

My winnings at Knoxville, Hagerstown, Augusta, Atlanta and other leading shows prove the superb quality of my stock. My hatches this season have been successful beyond all expectation, and I can fill all orders promptly for either eggs, baby chicks or stock.

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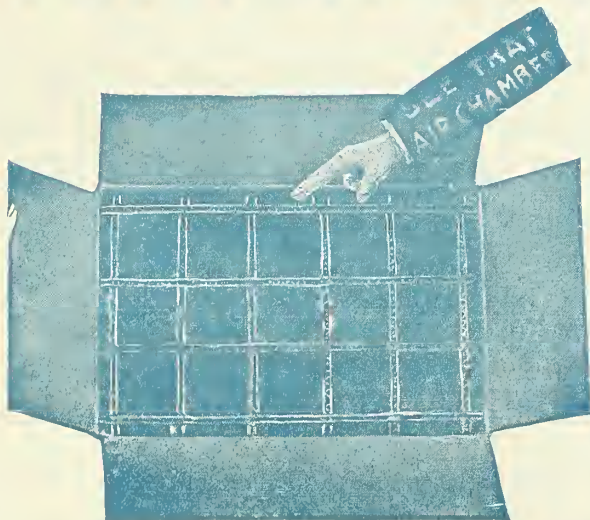
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